digital

DD11-D

Engineering Drawings

Digital Equipment Corporation

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET ☐☐☐☐

	SEQUENCE		
DRAWING DIRECTORY (DD11-D)	B-DD-DD11-D		
BACK PLANE ASSY	C-AD-7011164-0-0		
BACK PLANE ASSY (DD11DF)	C-AD-7012306-0-0		
MODULE UTILIZATION (DD11-D)	D-MU-DD11-D-2		
POWER HARNESS (BA11-K,BA11-L)	D-IA-7011108-0-0		
POWER HARNESS (BA11-F,BA11-P)	D-IA-7011109-0-0		
CIRCUIT SCHEMATIC (DD11-D)	D-CS-5411414-0-1		
WIRE LIST (COMPLETE)	K-WL-DD11-D-1		

UNIT VARIATIONS

VAR	TITLE	1
DD11-DK	BACK PLANE ASSY(BA11L BA11K)	X
DD11-DF	BACK PLANE ASSY (BA11F BA11P)	X

PRINT SET

NOTE: DD11DK ASSEMBLIES ARE
ELECTRICALLY INCOMPATIBLE WITH
DD11DF ASSEMBLIES. A DD11DK
WILL WORK IN BA11-L AND BA11-K
BOXES ONLY. A DD11DF WILL WORK
IN BA11-F AND BA11-P BOXES ONLY.

REVISIONS			
REV	A	B	C
CHG. NO.	DD11D-00001	DD11D-00004	DD11D-00005
DATE	2-76	9-76	2-77

NR

DEC 16-(3361(061.1A 6217

DRR 106

USED ON OPTION/MODEL		DRN. M. BAPTISTE	DATE 5/12/75
		CHK'D. D. HEALY	DATE 5/15/75
		PROJ ENG. Richard Barry	DATE 5/26/75
		PROD. R V Peters	DATE 6/17/75
		FIELD SERV.	DATE 6-17-75

TITLE

DRAWING DIRECTORY DD11-D

SIZE	CODE	NUMBER	REV
B	DD	DD11-D	C

DIST

SHEET 1 OF 3

```
                                    ┌1┐
                                     │
                          ┌──────────────────────┐
                          │ UNIT ASSY            │
                          │ DD11-D               │
                          │ A-PL-DD11-D-0        │
                          └──────────────────────┘
        ┌2┐                                          ┌7┐
         │                                            │
┌──────────────────────┐                  ┌──────────────────────┐
│ BACK PLANE ASSY      │                  │ BACK PLANE ASSY      │
│ C-AD-7011164-0-0     │                  │ DD11DF               │
└──────────────────────┘                  │ C-AD-7012306 0-0     │
                                          └──────────────────────┘
 ┌3┐  ┌──────────────────────┐      ┌3┐  ┌──────────────────────┐
  │   │ WIRED ASSY           │       │   │ WIRED ASSY           │
      │ C-IA-7011158-0-0     │           │ C-IA-7011158-0-0     │
      └──────────────────────┘           └──────────────────────┘

   ┌4┐  ┌──────────────────────┐     ┌4┐  ┌──────────────────────┐
    │   │ BACK PLANE ASSY      │      │   │ BACK PLANE ASSY      │
        │ C-IA-7011157-0-0     │          │ C-IA-7011157 0-0     │
        └──────────────────────┘          └──────────────────────┘

   ┌5┐  ┌──────────────────────┐     ┌5┐  ┌──────────────────────┐
    │   │ CIRCUIT SCHEMATIC    │      │   │ CIRCUIT SCHEMATIC    │
        │ D-CS-5411414-0-1     │          │ D-CS-5411414 0-1     │
        └──────────────────────┘          └──────────────────────┘

 ┌6┐  ┌──────────────────────┐      ┌8┐  ┌──────────────────────┐
  │   │ POWER HARNESS        │       │   │ POWER HARNESS        │
      │ (BA11-K,BA11-L)      │           │ BA11F                │
      │ D-IA-7011164-0-0     │           │ D-IA-7011109-0-0     │
      └──────────────────────┘           └──────────────────────┘
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TITLE		SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY DD11-D	SHEET 2 OF 3	B	DD	DD11-D	C

ELECTRICAL

CUST	MFG	FIND NO	DRAWING NO	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		1	A-PL-DD11-D-0		1	UNIT ASSY DD11-D	
X			D-MU-DD11-D-2		1	MODULE UTILIZATION	
X		2	C-AD-7011164-0-0		1	BACK PLANE ASSY DD11-DK	
		3	C-IA-7011158-0-0		1	WIRED ASSY	
X			K-WL-DD11-D-1	A	1	WIRE LIST	
			A-WT-7011158-0	REF	1	AWT REV STATUS	
X		5	D-CS-5411414-0-1			CIRCUIT SCHEMATIC	
X		6	D-IA-7011108-0-0		1	POWER HARNESS (BA11-K, BA11-L)	
X		7	C-AD-7012306-0-0		1	BACK PLANE ASSY DD11-DF	
X		8	D-IA-7011109-0-0		1	POWER HARNESS (BA11-F, BA11-P)	

MECHANICAL

CUST	MFG	FIND NO	DRAWING NO	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		1	A-PL-DD11-D-0		1	UNIT ASSY DD11-D	
		2	C-AD-7011164-0-0		1	BACK PLANE ASSY DD11-DK	
		3	C-IA-7011158-0-0		1	WIRED ASSY	
			D-IA-5512405-0-0		1	OVERLAY, WIRING	
			B-DC-5308753-0-0		1	DECAL 21 POINT (LTR)	
			A-DC-7411881-0-0		1	LABEL, AWT REV STATUS	
		4	D-IA-7011157-0-0		1	BACK PLANE ASSY	
		5	D-CS-5411414-0-1			CIRCUIT SCHEMATIC	
			D-AH-5411414-0-4			ASSY/DRILLING HOLE LAYOUT	
			K-CO-5411414-0-5			X-Y COORDINATE HOLE LOCATION	
			B-MH-5411414-0-6			MODULE ECO HISTORY	
			5011413			ETCH CIRCUTI BOARD	
		6	D-IA-7011108-0-0		1	POWER HARNESS (BA11-K, BA11-L)	
X		7	C-AD-7012306-0-0		1	BACK PLANE ASSY DD11-DF	
X		8	D-IA-7011109-0-0		1	POWER HARNESS (BA11-F, BA11-P)	

CUSTOMER PRINT SET CODES
X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE: DRAWING DIRECTORY DD11-D

SHEET 3 OF 3 | SIZE B | CODE DD | NUMBER DD11-D | REV C

DRB 108

WIRE TABLE

COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
	FROM		TO		FROM		TO
BLUE	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRAY	P2-2		+15
BLK	P4-8		GND	ORG	P2-3		+20
ORG	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-12	SOLDER	+5B
WHT	P4-6		+15B	ITEM 5	ITEM 6	SOLDER	GND
GRN	P4-15		-15B				
YEL	P3-4		ACLO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DCLO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				

PIN A∅1A1

VIEW A

SEE VIEW A

PIN A∅1A1

SLOT
1 2 3 4 5 6 7 8 9

SIDE 2

5011413   541414   DD11-D

SEE NOTE 1

NOTES:

1. WHEN THE DD11-DK'S USED WITH A BA11-K EXPANSION BOX WITHOUT BATTERY BACK-UP (I.E., NO H785 NOR H7850), INSTALL THE **THREE** JUMPERS SHOWN:
   a) -15 TO -15B, b) +15 TO +15B, c) +5 TO +5B
   USE #20 SHIELDED BUS WIRE ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS. (SEE NOTE 3)

2. INSTALL ITEM #6 UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.

3. BA11-K'S THAT USE THE 5410864-YA-1 POWER DISTRIBUTION (I.E., 11/34A, 11/34 WITH FP11-AU, AND SOME 11/04'S) AND HAVE MORE THAN ONE DD11-DK (OR AN ADDITIONAL DD11-CK) CAN ONLY HAVE THE +5 TO +5B JUMPER IN ONE OF THE BACK PANELS. IF TWO OF THE BACK PANELS HAVE THE JUMPER IN THE +5V REGULATORS MAY BE CONNECTED TOGETHER. TYPICALLY THIS JUMPER IS IN THE FIRST BACK PANEL, BUT IT MAY BE PLACED IN ONE OF THE OTHER BACK PANELS IF DEEMED NECESSARY FOR POWER RE-QUIREMENTS.

P2 P3 P4

PARTS LIST
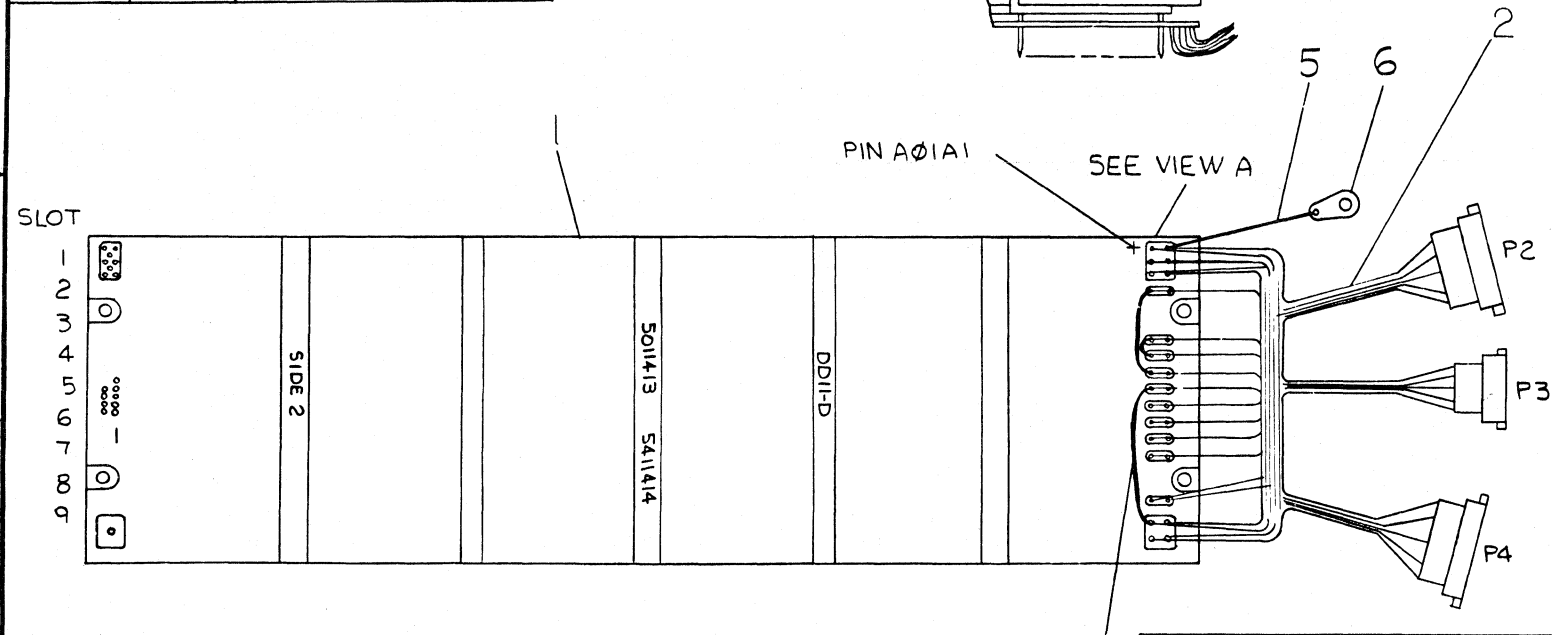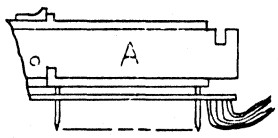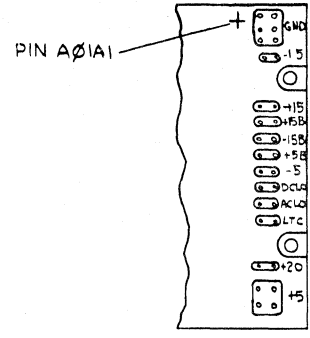
QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	TERMINAL, SOLDER	9008150	6
2"	WIRE, BLK STRD #14	9107370-00	5
6"	TUBING, #20 (CLEAR)	9107267-10	4
6"	WIRE, BUS #20	9107560-02	3
1	POWER HARNESS (BA11-K, BA11-L)	D-IA-7011108-0-0	2
1	WIRED ASS'Y DD11-D	C-IA-7011158-0-0	1

FIRST USED ON OPTION/MODEL: DD11-DK

DIMENSIONAL TOLERANCE		
DIMENSIONS ARE INCHES		
UNLESS OTHERWISE SPECIFIED		
MILLIMETERS	INCHES	ANGLES
X.XX ±0,10	.XXX = ±.005	±0° 30'
X.X = ±0,5	.XX = ±.02	
= ±2}	.X = ±.1	

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

DRN: 5/20/75
CHK'D: 5/21/75
ENG: Richard Barry
PROJ. ENG: 5/28/75
PROD: 6/2/75

NEXT HIGHER ASSY.

MATERIAL: SEE PARTS LIST
A-PL-DD11-D-∅

FINISH

SCALE

SHEET 1 OF 1

digital

TITLE: BACKPLANE ASS'Y (DD11-DK)

SIZE: C CODE: AD NUMBER: 7011164-0-0 REV: C

REVISIONS

CHK	CHANGE NO.	REV.	
	7011164-00001	A	B. Barry 15 OCT 75
	DD11D-00004	B	13 Oct 76 D. Barry
	DD11D-00006	C	R. Barry 13 JAN 76
			B.C. Duckie 6 MAY 77
			R. Barry 9 MAY 77

DEC FORM NO.

WIRE TABLE

COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
	FROM		TO		FROM		TO
BLU	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRY	P2-2		+15
BLK	P4-8		GND	ORN	P2-3		+20
ORN	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-10	SOLDER	+5B
WHT	P4-6		+15B	ITEM#5	ITEM#6	SOLDER	GND
GRN	P4-15		-15B				
YEL	P3-4		AC LO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DC LO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				
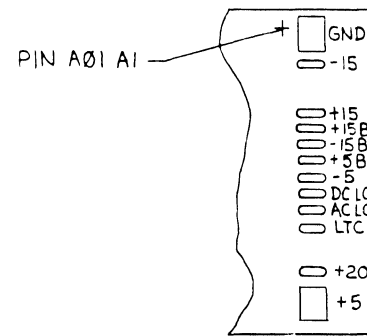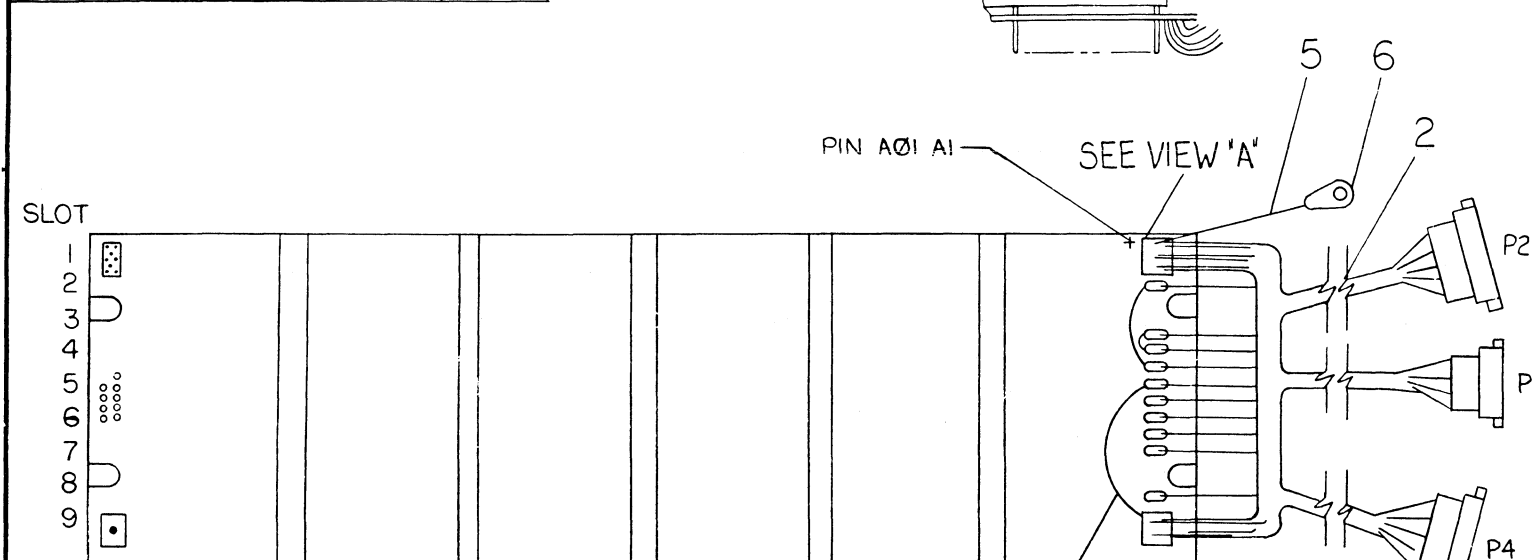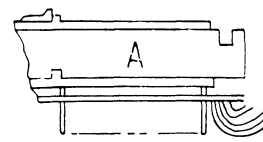
NOTES:

1. WHEN DD11-DF IS USED WITH A BAII-F EXP. BOX WITHOUT BATTERY BACK UP INSTALL THE THREE JUMPERS SHOWN:
   1) -15 TO -15 B
   2) +15 TO +15 B
   3) +5 TO +5 B
   USE #20 INSULATED BUS WIRE ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEM VOLTAGE RAILS.

2. INSTALL ITEM #6 UNDER LOGIC FRAME MTG. SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.

3. THE BAII-F POWER HARNESS ITEM #2 IS NOT ELECTRICALLY COMPATIABLE WITH THE BAII-L OR BAII-K MOUNTING BOX.

PIN AØI AI

GND
-15
+15
+15B
-15B
+5B
-5
DC LO
AC LO
LTC
+20
+5

VIEW "A"

SLOT
1
2
3
4
5
6
7
8
9

SEE VIEW "A"

PIN AØI AI

5 6 2

P2
P3
P4

SEE NOTE 1

3
4

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	TERMINAL, SOLDER	9008150	6
A/R	WIRE, BLK STRD #14	9107370-00	5
A/R	TUBING, #20 (CLEAR)	9107267-10	4
A/R	WIRE, BUS #20	9107560-03	3
1	POWER HARNESS BAII-F	D-IA-7011109-0-0	2
1	WIRED ASSY DD11-D	C-IA-7011158-0-0	1

PARTS LIST

FIRST USED ON OPTION/MODEL: DD11-DF

DRN. R. Beasley 12-18-75
CHK'D. D. Doody 12-18-75
ENG. Richard Barry 3-10-76
PROJ. ENG. Richard Barry 3-10-76
PROD. R. MacQuack 3-16-76

DIMENSIONAL TOLERANCE
DIMENSIONS ARE ~~MILLIMETERS~~ INCHES
UNLESS OTHERWISE SPECIFIED

MILLIMETERS	INCHES	ANGLES
X.XX = ±0.10	.XXX = ±.005	±0° 30'
X.X = ±0.5	.XX = ±.02	
X = ±2,	.X = ±.1	

THIRD ANGLE PROJECTION
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL
SEE PARTS LIST

FINISH

NEXT HIGHER ASSY.
A-PL-DD11-DF-Ø

digital

TITLE
BACK PLANE ASSY (DD11-DF)

SIZE C CODE AD NUMBER 7012306-0-0 REV. A

SCALE —
SHEET 1 OF 1 DIST.

NOTES:

1. REMOVE CA1 TO CB1 WIRE WRAP JUMPER TO INSTALL AN NPR OPTION IN ANY SPC SLOT.

2. G727 REQUIRED IN ANY UNUSED SPC SLOT TO PROVIDE BUS GRANT CONTINUITY.

3. GRANT DIRECTION IS SLOT 1 TO SLOT 9.

4. USE M9202 TO INTERCONNECT SYSTEM UNITS INSTEAD OF M920. M9202 IS A 2 FT. UNIBUS JUMPER CABLE USED TO DISTRIBUTE UNIBUS LOADING.

5. M9302 (SACK/TERM) AND M930 (TERM) MUST NEVER BE INSTALLED IN ANY SLOT OTHER THAN SLOT 9 (A & B). POWER SUPPLY VOLTAGES WILL BE SHORTED OUT IF THESE TERMINATORS ARE MOUNTED IN THE MODIFIED UNIBUS SLOTS.

6. MODIFIED UNIBUS SECTION CARRIES CORE AND MOS MEMORY VOLTAGE RAILS AND MEMORY PARITY CONTROL SIGNALS INSTEAD OF BUS GRANT AND SOME GND SIGNALS THAT ARE CONTAINED IN STANDARD UNIBUS SLOTS.

UNIBUS INPUT

BUS GRANT DIRECTION

SLOT 1 (A&B) IS EITHER THE BEGINING OF THE UNIBUS (M7263 CPU MODULE) OR THE UNIBUS CABLE INPUT (BC11A)

SLOT

A B C D E F

1
2
3
4
5
6
7
8
9

CABLE FROM KY11-LA OPERATORS CONSOLE, USED WITH (M7263) PDP1104 CPU MODULE ONLY, TERMINATES HERE.

NOTE 1   NOTE 2

SLOT 9 (A&B) IS EITHER THE TERMINATION OF THE UNIBUS OR THE UNIBUS OUTPUT CABLE (BC11A)

VIEW FROM MODULE SIDE

UNIBUS OUTPUT

A B
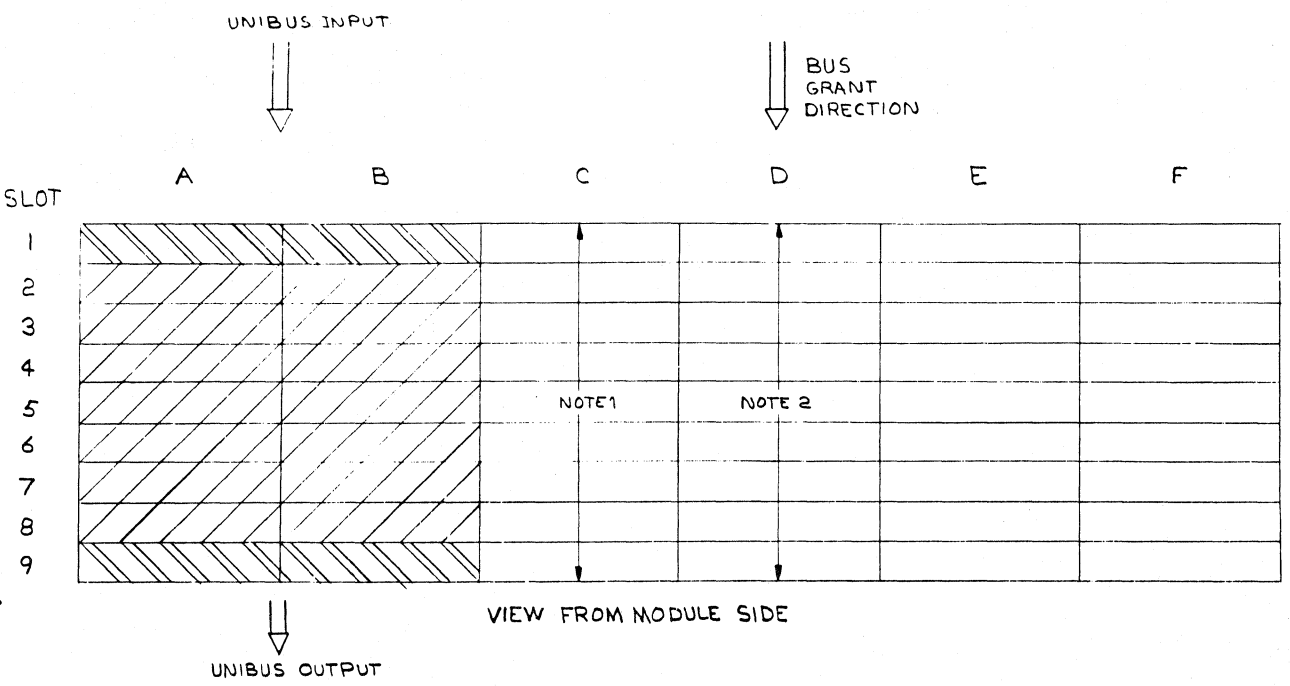
STANDARD UNIBUS
(SLOT 1&9)
DUAL MODULES WHICH PLUG INTO STANDARD UNIBUS SLOTS **ONLY:**
BC11A UNIBUS CABLE
M9302 SACK/TERM (NOTE 5)
M920 (NOTE 4)
M930 (NOTE 5)
M9202 (NOTE 4)

A B

MODIFIED UNIBUS
(SLOT 2-8)
DUAL MODULES WHICH PLUG INTO THE MODIFIED UNIBUS **ONLY:**
M9301 BOOT/TERM.
M9306 TERM.
M7850 PARITY CONT.

C D E F

SMALL PERIPHERAL CONTROLLER
(SLOT 1-9)
ANY S.P.C. OPTION

A B C D E F

HEX MODULE WITH MODIFIED UNIBUS SIGNALS
(SLOTS 2-8)
HEX MODULES THAT PLUG INTO MODIFIED UNIBUS ONLY:
M7847 MOS MEMORY (MS11-EP-JP)
MM11-BP, CP, DP OR YP CORE MEMORY

A B C D E F

HEX MODULE WITH STANDARD UNIBUS SIGNALS
SLOT 1 ONLY
M7263 PDP1104 CPU MODULE

GENERAL

ANY HEX MODULE THAT MEETS THE FOLLOWING REQUIREMENTS CAN BE MOUNTED IN THESE SLOTS.
1.) THOSE PINNED TO TAKE SIGNALS FROM MODIFIED UNIBUS (A&B) WITH THE BUS GRANTS TAKEN FROM SPC SLOTS ie: ABOVE
2.) THOSE PINNED TO TAKE SIGNALS FROM STANDARD SPC PINNING WITH THE EXCEPTION OF POWER FROM (A&B). ie: SPECIAL OPTIONS

DESCRIPTION	DWG./PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL

FINISH

DRN. 24.B__ 4/28/75
CHK'D. 5/21/75
ENG. R. Baum 5/28/75
PROJ. ENG. R. Baum 5/28/75
PROD. 6/4/75

FIRST USED ON

NEXT HIGHER ASSY.

digital

TITLE
MODULE UTILIZATION (DD11-D)

B-DD-DD11-D

SIZE	CODE	NUMBER	REV.
D	MU	DD11-D-2	A

SCALE

SHEET 1 OF 1   DIST.

WIRING TABLE

ITEM NO.	AWG	COLOR	POINT	FROM CONNECTION	WITH	POINT	TO CONNECTION	SIGNAL	LENGTH
9	#18	BLUE	1	P4-13	3	26	SOLDER	-15V	7
5	14	RED	2	P4-4		37		+5V	5
5	14	RED	3	P4-1		38		+5V	5
6	14	BLK	4	P4-8		21		GND	7.75
7	14	ORN	5	P4-3		35		+20V	5
6	14	BLK	6	P4-9		22		GND	8
13	18	WHT	7	P4-6		28		+15B	6.15
14	18	GRN	8	P4-15		29		-15B	6
12	18	YEL	9	P3-4		33		ACLO	4.25
6	14	BLK	10	F3-1		23		GND	6
10	18	BRN	11	P3-2		34		LTC	4.25
11	18	VIO	12	P3-3		32		DCLO	4.25
5	14	RED	13	P2-4		39		+5V	7.50
5	14	RED	14	P2-1		40		+5V	7.25
10	18	BRN	15	P2-14		31		-5V	5
6	14	BLK	16	P2-8		24		GND	5
8	18	GREY	17	P2-2		27		+15	4.75
7	14	ORN	18	P2-3		36		+20	6.75
6	14	BLK	19	P2-9		25		GND	5.15
5	14	RED	20	P2-12	3	30	SOLDER	+5B	5

NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN
2. DOT (•) INDICATES NAIL LOCATION FOR ASS'Y USE ONLY. COVER NAILS WITH SHINK TUBING TO PREVENT CUTTING HARNESS.
3. WIRE LENGTH TOLERANCES WILL BE +1/8, -0 INCHES.
4. ALL CONN. SHOWN FROM WIRING SIDE.

CONN KEY

P2

PIN #3

CONN KEY

P3

PIN #3

SEE NOTE 4

P4

CONN KEY

PIN #3

DO NOT REDUCE
SCALE

| 0 IN | 6 IN | 12 IN |
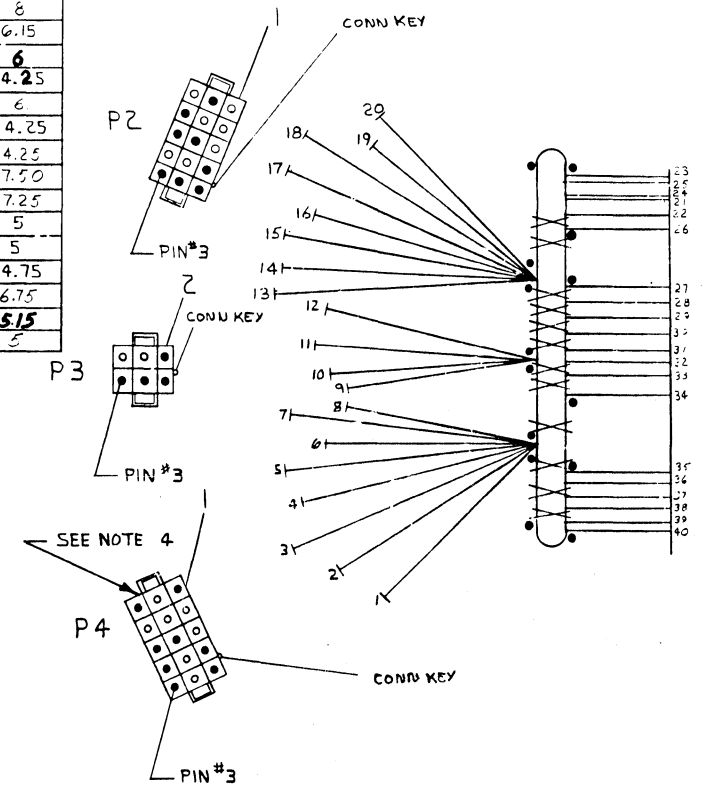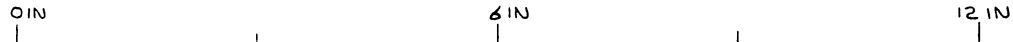
FOR MANUFACTURING PURPOSES ONLY

FOR WIRE LENGTHS SEE WIRING TABLE

Parts List

	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	POWER HARNESS DECALS	7409872-2-0	15
A/R	WIRE #18 AWG, GRN	9107360-55	14
A/R	WIRE #18 AWG, WHT	9107360-99	13
A/R	WIRE #18 AWG, YEL	9107360-44	12
A/R	WIRE #18 AWG, VIO	9107360-77	11
A/R	WIRE #18 AWG, BRN	9107360-11	10
A/R	WIRE #18 AWG, BLUE	9107360-66	9
A/R	WIRE #18 AWG, GREY	9107360-88	8
A/R	WIRE #14 AWG, ORN	9107370-33	7
A/R	WIRE #14 AWG, BLK	9107370-00	6
A/R	WIRE #14 AWG, RED	9107370-22	5
12	TIE WRAP	9007031	4
20	PIN MALE	1209378-01	3
1	CONN. 6 PIN HOUSING	1209351-06	2
2	CONN. 15 PIN HOUSING	1209351-15	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

DRN. J.A. 7/11/75
CHK'D
ENG.
PROJ. ENG. 5/26/75
P.MOD.

FIRST USED ON DD11-D

digital

TITLE

POWER HARNESS
(BA11-K, BA11-L)

SIZE D | CODE 1A | NUMBER 701108-0-0 | REV. B

SCALE 1/1

SHEET OF

WIRING TABLE

ITEM NO	AWG	COLOR	POINT	FROM CONNECTION	WITH	POINT	TO CONNECTION	SIGNAL	LENGTH
9	18	BLU	1	P4-13	3	26	SOLDER	-15V	12.75
5	14	RED	2	P4-4	1	37		+5V	11
5	14	RED	3	P4-1		38		+5V	11.25
6	14	BLK	4	P4-8		21		GND	13.75
7	14	ORN	5	P4-3		35		+20V	11.0
6	14	BLK	6	P4-9		22		GND	13.25
13	18	WHT	7	P4-6		28		+15 B	12.15
14	18	GRN	8	P4-15		29		-15 B	11.6
12	18	YEL	9	P3-4		33		ACLO	10.25
6	14	BLK	10	P3-1		23		GND	12.1
10	18	BRN	11	P3-2		34		LTC	10.75
11	18	VIO	12	P3-3		32		DCLO	10.0
5	14	RED	13	P2-4		39		+5V	13.75
5	14	RED	14	P2-1		40		+5V	13.75
15	14	BRN	15	P2-14		31		-5V	11.0
6	14	BLK	16	P2-8		24		GND	11.0
8	18	GRY	17	P2-2		27		+15	10.75
7	14	ORN	18	P2-3		36		+20	13.0
6	14	BLK	19	P2-9		25		GND	11.0
5	14	RED	20	P2-10	3	30	SOLDER	+5B	10.50

NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN.
2. DOT (•) INDICATES NAIL LOCATION FOR ASS'Y USE ONLY. COVER NAILS WITH SHRINK TUBING.
3. WIRE LENGTH TOL WILL BE ± .12 IN
4. ALL CONN SHOWN FROM WIRING SIDE.
5. STRIP 1/8" INSULATION FROM POINTS 21 THRU 40 AND FULL TIN POINTS 21 THRU 40.

CONN KEY
P2
PIN #3
P3
PIN #3
SEE NOTE 4
P4
CONN KEY
PIN #3

SEE NOTE 1

FOR WIRE LENGTHS SEE WIRING TABLE
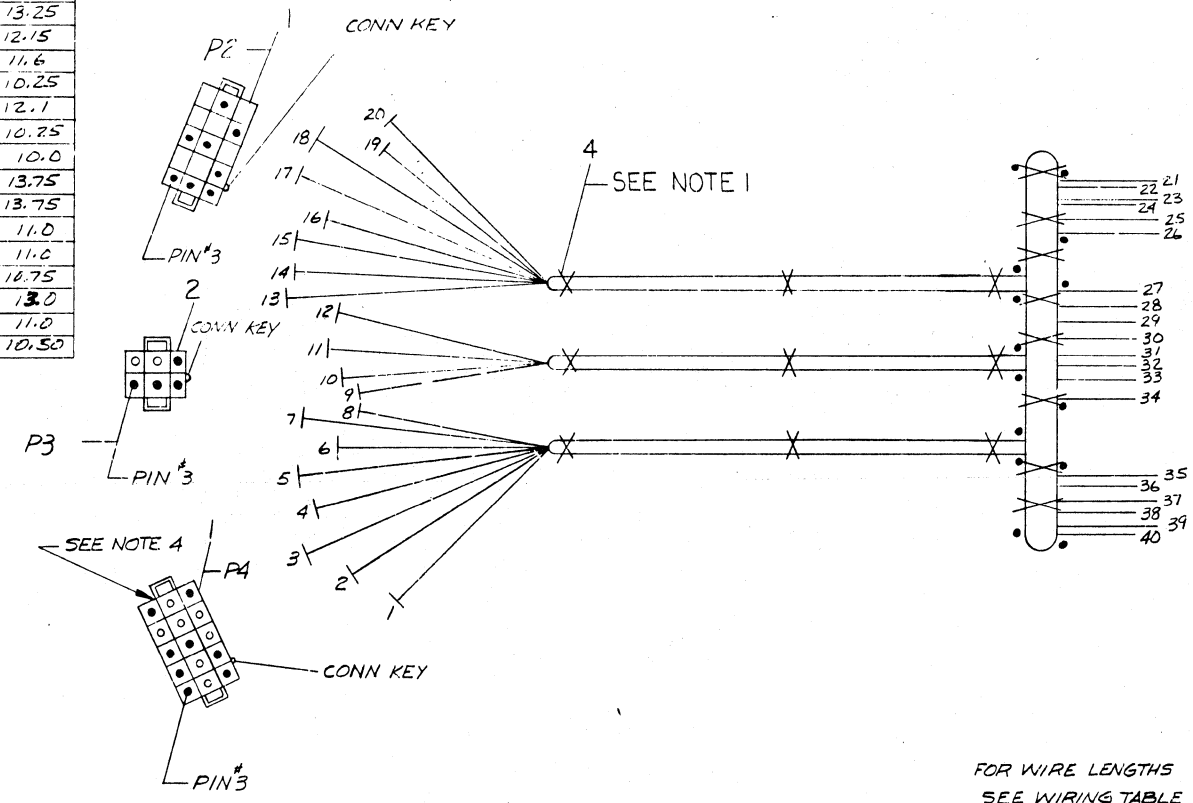
	POWER HARNESS DECAL	7409872-2	16
A/R	WIRE #14 AWG (BRN)	9107370-11	15
A/R	WIRE #18 AWG, (GRN)	9107360-55	14
A/R	WIRE #18 AWG, (WHT)	9107360-99	13
A/R	WIRE #18 AWG (YEL)	9107360-44	12
A/R	WIRE #18 AWG, (VIO)	9107360-77	11
A/R	WIRE #18 AWG, (BRN)	9107360-11	10
A/R	WIRE #18 AWG, (BLU)	9107360-66	9
A/R	WIRE #18 AWG, (GRY)	9107360-88	8
A/R	WIRE #14 AWG (ORN)	9107370-33	7
A/R	WIRE #14 AWG, (BLK)	9107370-00	6
A/R	WIRE #14 AWG (RED)	9107370-22	5
17	TIE WRAP	9007031	4
20	PIN MALE	1209378-01	3
1	CONN 6 PIN HOUSING	1209351-06	2
2	CONN 15 PIN HOUSING	1209351-15	1
	DESCRIPTION	DWG./PART NO.	ITEM NO.

DO NOT REDUCE

SCALE

0 IN   6 IN   12 IN

FOR MANUFACTURING PURPOSES ONLY

REVISIONS

CHK	RT	REV	A

CHANGE NO. 7011109-00001
D. BARRY 15 FEB 77
7011109-00002 B
P. PORRECA

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

QUANTITY & VARIATION

DRN		11/3/75
CHK'D		12/1/75
ENGR	R Barry	12/8/75
PROJ. ENG	R Barry	12/18/75
PROD		

FIRST USED ON
DD11-DF, PF

digital

TITLE
POWER HARNESS
(BA11-F)

MATERIAL
SEE PARTS LIST

NEXT HIGHER ASSY.

C-AD-7012307-0-0

| SIZE | CODE | NUMBER | REV. |
| D | 1A | 7011109-0-0 | B |

SCALE 1/1   SHEET 1 OF 1   DIST.

NOTES:

F   E   D   C   B   A   —AØIAI

SIDE 1

A   B   C   D   E   F

SIDE 2

PIN AØIAI—

IC TYPE	GND	−5V

GND AND 5V ARE USUALLY PIN 7 AND 14
RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

PARTS LIST

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF		AWT REV STATUS	A-WT-7011158-0	5
REF		MODULE ECO HISTORY	B-MH-5411414-0-6	4
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-5411414-0-5	3
REF		X-Y COORDINATE HOLE LOCATION	K-CO-5411414-0-4	2
1		ETCHED CIRCUIT BOARD	5011413	1

FIRST USED ON OPTION MODEL
DD11-D

ETCH BOARD REV.   D

SEMICONDUCTOR CONVERSION CHART

	DEC NO.	EIA NO.	DEC NO.	EIA NO.

TITLE
CIRCUIT SCHEMATIC

NEXT HIGHER ASSY
C-IA-7011157-0-0

SIZE	CODE	NUMBER	REV.
D	CS	5411414-Ø-1	D

SCALE 1/1   SHEET 1 OF 1   DIST. 1
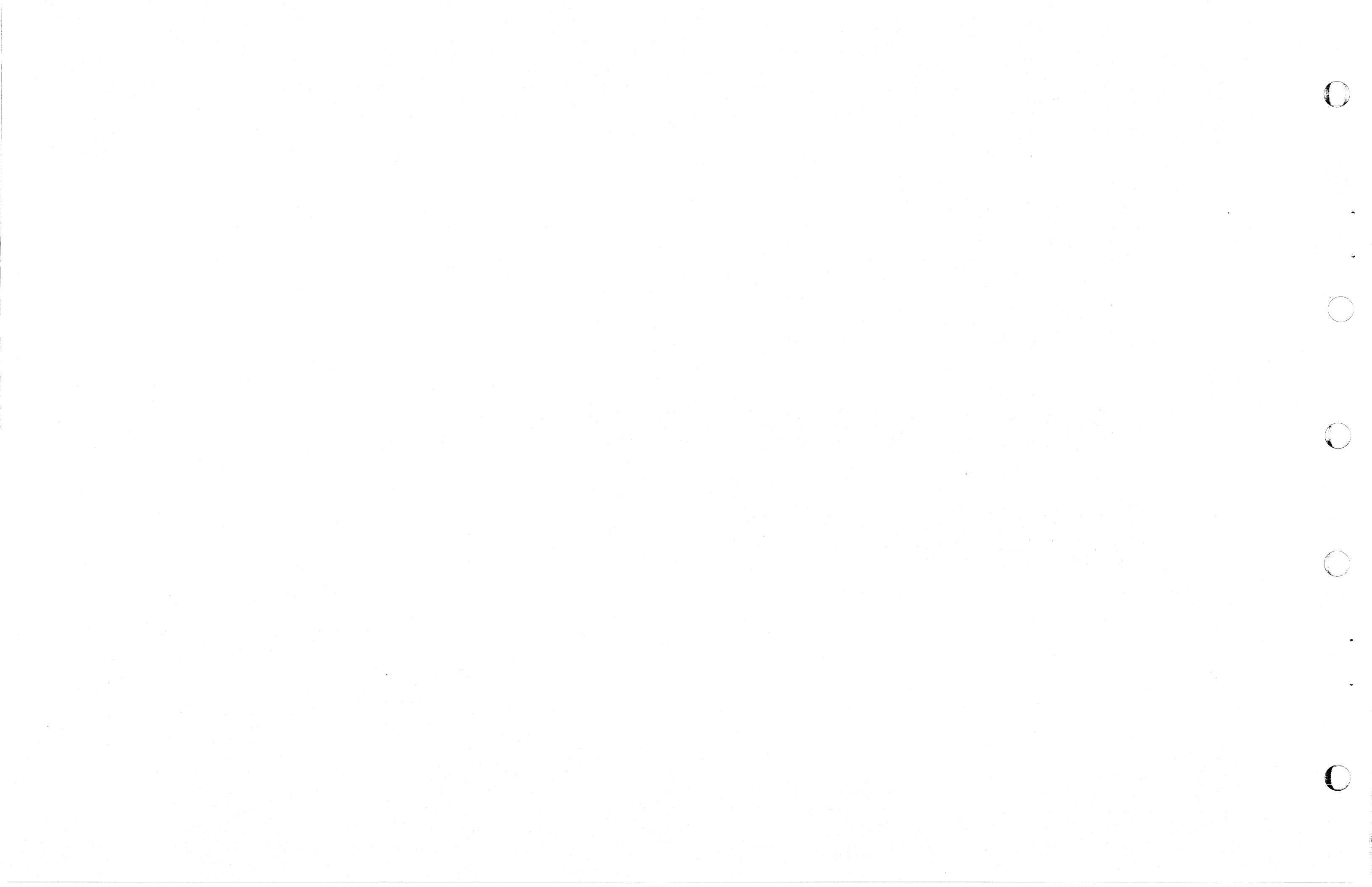
NOTES
1. ALL REV. ASSEMBLIES OF THE DD11-D ARE ELECTRICALLY THE SAME AS THIS RUN LIST BUT THE POINT TO POINT ROUTING OF A GIVEN WIRE TO ALL ITS ASSOCIATED PINS MAY BE DIFFERENT.

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DD11-D		PARTS LIST		

DRN J. Phellan	DATE 5/21/75	
CHK'D.	DATE 1/23/75	
ENG. Richard Barry	DATE 5/28/75	**digital** EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
PROJ. ENG Richard Barry	DATE 5/28/75	TITLE
PROD. R.K. Peters	DATE 6/12/75	WIRE LIST DD11-D
NEXT HIGHER ASSEMBLY B-DD-DD11-D		
SCALE		SIZE K CODE WL NUMBER DD11-D-1 REV. B
SHEET 1 OF 1	DIST.	

REVISIONS
REV. B
CHANGE NO. DD11D-00004
CHK RB

DEC FORM NO.

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
+15/+8V	C01U1		1-01 *	P				2		1		1
+15/+8V	C02U1		1-02 *	P				1		1		1
+15/+8V	C03U1		1-03 *	P				2		1		1
+15/+8V	C04U1		1-04 *	P				1		1		1
+15/+8V	C05U1		1-05 *	P				2		1		1
+15/+8V	C06U1		1-06 *	P				1		1		1
+15/+8V	C07U1		1-07 *	P				2		1		1
+15/+8V	C08U1		1-08 *	P				1		1		1
+15/+8V	C09U1		1-09 *	X								1
+15/+8V			1							8-0/8		1
+20V	A02U1		1-01 *	P				1		0-1/8		2
+20V	A02V1		1-02 *	P				2		0-4/8		2
+20V	A02V2		1-03 *	P				1		0-1/8		2
+20V	A03U1		1-04 *	P				2		0-1/8		2
+20V	A03V1		1-05 *	P				1		0-4/8		2
+20V	A03V2		1-06 *	P				2		0-1/8		2
+20V	A04U1		1-07 *	P				1		0-1/8		2
+20V	A04V1		1-08 *	P				2		0-4/8		2
+20V	A04V2		1-09 *	P				1		0-1/8		2
+20V	A05U1		1-10 *	P				2		0-1/8		2
+20V	A05V1		1-11 *	P				1		0-4/8		2
+20V	A05V2		1-12 *	P				2		0-1/8		2
+20V	A06U1		1-13 *	P				1		0-1/8		2
+20V	A06V1		1-14 *	P				2		0-4/8		2
+20V	A06V2		1-15 *	P				1		0-1/8		2
+20V	A07U1		1-16 *	P				2		0-1/8		2
+20V	A07V1		1-17 *	P				1		0-4/8		2
+20V	A07V2		1-18 *	P				2		0-1/8		2
+20V	A08U1		1-19 *	P				1		0-1/8		2
+20V	A08V1		1-20 *	P				2		0-4/8		2
+20V	A08V2		1-21 *	X								2
+20V			1							5-1/8		2

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
+5V	A01A2		1-01 *	P						2		1	3
+5V	A02A2		1-02 *	P						1		1	3
+5V	A03A2		1-03 *	P						2		1	3
+5V	A04A2		1-04 *	P						1		1	3
+5V	A05A2		1-05 *	P						2		1	3
+5V	A06A2		1-06 *	P						1		1	3
+5V	A07A2		1-07 *	P						2		1	3
+5V	A08A2		1-08 *	P						1		1	3
+5V	A09A2		1-09 *	P						2		3-2/8	3
+5V	B09A2		1-10 *	P						1		1	3
+5V	B08A2		1-11 *	P						2		1	3
+5V	B07A2		1-12 *	P						1		1	3
+5V	B06A2		1-13 *	P						2		1	3
+5V	B05A2		1-14 *	P						1		1	3
+5V	B04A2		1-15 *	P						2		1	3
+5V	B03A2		1-16 *	P						1		1	3
+5V	B02A2		1-17 *	P						2		1	3
+5V	B01A2		1-18 *	P						1		3	3
+5V	C01A2		1-19 *	P						2		1	3
+5V	C02A2		1-20 *	P						1		1	3
+5V	C03A2		1-21 *	P						2		1	3
+5V	C04A2		1-22 *	P						1		1	3
+5V	C05A2		1-23 *	P						2		1	3
+5V	C06A2		1-24 *	P						1		1	3
+5V	C07A2		1-25 *	P						2		1	3
+5V	C08A2		1-26 *	P						1		1	3
+5V	C09A2		1-27 *	P						2		3-2/8	3
+5V	D09A2		1-28 *	P						1		1	3
+5V	D08A2		1-29 *	P						2		1	3
+5V	D07A2		1-30 *	P						1		1	3
+5V	D06A2		1-31 *	P						2		1	3
+5V	D05A2		1-32 *	P						1		1	3
+5V	D04A2		1-33 *	P						2		1	3
+5V	D03A2		1-34 *	P						1		1	3
+5V	D02A2		1-35 *	P						2		1	3
+5V	D01A2		1-36 *	P						1		3	3
+5V	E01A2		1-37 *	P						2		1	3
+5V	E02A2		1-38 *	P						1		1	3
+5V	E03A2		1-39 *	P						2		1	3
+5V	E04A2		1-40 *	P						1		1	3
+5V	E05A2		1-41 *	P						2		1	3
+5V	E06A2		1-42 *	P						1		1	3
+5V	E07A2		1-43 *	P						2		1	3
+5V	E08A2		1-44 *	P						1		3-2/8	3
+5V	E09A2		1-45 *	P						2		1	3
+5V	F09A2		1-46 *	P						1		1	3
+5V	F08A2		1-47 *	P						2		1	3
+5V	F07A2		1-48 *	P						1		1	3
+5V	F06A2		1-49 *	P						2		1	3
+5V	F05A2		1-50 *	P						1		1	3
+5V	F04A2		1-51 *	P						2		1	3
+5V	F03A2		1-52 *	P						1		1	3
+5V	F02A2		1-53 *	P						2		1	3
+5V	F01A2		1-54 *	X									3
+5V			1									63-6/8	3

RUN NAME	A/P PIN NAME	ORDER PIN	BAY-ORDER	U	DRAW OPT	X	NC LENGTH FLAG EXCEPTIONS	RUN NUMBER
-15V	C01B2	1-01 *	P			2	1	4
-15V	C02B2	1-02 *	P			1	1	4
-15V	C03B2	1-03 *	P			2	1	4
-15V	C04B2	1-04 *	P			1	1	4
-15V	C05B2	1-05 *	P			2	1	4
-15V	C06B2	1-06 *	P			1	1	4
-15V	C07B2	1-07 *	P			2	1	4
-15V	C08B2	1-08 *	P			1	1	4
-15V	C09B2	1-09 *	P			2	3-2/8	4
-15V	D09B2	1-10 *	P			1	1	4
-15V	D08B2	1-11 *	P			2	1	4
-15V	D07B2	1-12 *	P			1	1	4
-15V	D06B2	1-13 *	P			2	1	4
-15V	D05B2	1-14 *	P			1	1	4
-15V	D04B2	1-15 *	P			2	1	4
-15V	D03B2	1-16 *	P			1	1	4
-15V	D02B2	1-17 *	P			2	1	4
-15V	D01B2	1-18 *	P			1	3	4
-15V	E01B2	1-19 *	P			2	1	4
-15V	E02B2	1-20 *	P			1	1	4
-15V	E03B2	1-21 *	P			2	1	4
-15V	E04B2	1-22 *	P			1	1	4
-15V	E05B2	1-23 *	P			2	1	4
-15V	E06B2	1-24 *	P			1	1	4
-15V	E07B2	1-25 *	P			2	1	4
-15V	E08B2	1-26 *	P			1	1	4
-15V	E09B2	1-27 *	P			2	3-2/8	4
-15V	F09B2	1-28 *	P			1	1	4
-15V	F08B2	1-29 *	P			2	1	4
-15V	F07B2	1-30 *	P			1	1	4
-15V	F06B2	1-31 *	P			2	1	4
-15V	F05B2	1-32 *	P			1	1	4
-15V	F04B2	1-33 *	P			2	1	4
-15V	F03B2	1-34 *	P			1	1	4
-15V	F02B2	1-35 *	P			2	1	4
-15V	F01B2	1-36 *	X					4
-15V		1					41-4/8	4
-5V	B02V2	1-01 *	P			2	1	5
-5V	B03V2	1-02 *	P			1	1	5
-5V	B04V2	1-03 *	P			2	1	5
-5V	B05V2	1-04 *	P			1	1	5
-5V	B06V2	1-05 *	P			2	1	5
-5V	B07V2	1-06 *	P			1	1	5
-5V	B08V2	1-07 *	X					5
-5V		1					6-0/8	5
A BG IN	D01U2	1-01 *				1	3-7/8	6
A BG IN	F01B1	1-02 *						6
A BG IN		1					3-7/8	6
A BG OUT	D01V2	1-01 *				1	3-7/8	7
A BG OUT	F01A1	1-02 *						7
A BG OUT		1					3-7/8	7

RUN NAME	A/P PIN NAME	ORDER PIN	BAY = ORDER	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
A BR OUT	D01J2		1=01 *					1			6=5/8		8
A BR OUT	F01P1		1=02 *					2			1		8
A BR OUT	F01U2		1=03 *										8
A BR OUT			1								7=5/8		8
A IN	D01H1		1=01 *					1			3=4/8		9
A IN	E01M1		1=02 *										9
A IN			1								3=4/8		9
A INT A	D01N1		1=01 *					1			6=3/8		10
A INT A	F01U1		1=02 *										10
A INT A			1								6=3/8		10
A INT B	C01J1		1=01 *					1			8=5/8		11
A INT B	F01K2		1=02 *										11
A INT B			1								8=5/8		11
A INT ENB A	D01M1		1=01 *					1			6=5/8		12
A INT ENB A	F01V1		1=02 *										12
A INT ENB A			1								6=5/8		12
A INT ENB B	C01L1		1=01 *					1			8=1/8		13
A INT ENB B	F01H2		1=02 *										13
A INT ENB B			1								8=1/8		13
A OUT HIGP	D01K1		1=01 *					1			3=3/8		14
A OUT HIGP	E01M2		1=02 *										14
A OUT HIGP			1								3=3/8		14
A OUT LOW	D01D1		1=01 *					1			4		15
A OUT LOW	E01N1		1=02 *										15
A OUT LOW			1								4=0/8		15
A SEL 0	D01F1		1=01 *					1			4=1/8		16
A SEL 0	E01S2		1=02 *										16
A SEL 0			1								4=1/8		16
A SEL 4	D01E1		1=01 *					1			4=3/8		17
A SEL 4	E01R2		1=02 *										17
A SEL 4			1								4=3/8		17
A SEL 6	D01C1		1=01 *					1			4=4/8		18
A SEL 6	E01S1		1=02 *										18
A SEL 6			1								4=4/8		18
A SER 2	D01J1		1=01 *					1			4=1/8		19
A SER 2	E01T2		1=02 *										19
A SER 2			1								4=1/8		19
A SSYN IN H	D01V1		1=01 *					1			1		20
A SSYN IN H	E01B1		1=02 *										20
A SSYN IN H			1								1=0/8		20

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	C	DRAW OPT	RV RG Y	X Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
AC LO L	B01F1	1-01 *	P				1			1	21
AC LO L	B02F1	1-02 *	P				2			1	21
AC LO L	B03F1	1-03 *	P				1			1	21
AC LO L	B04F1	1-04 *					2			1	21
AC LO L	B05F1	1-05 *	P				2			1	21
AC LO L	B06F1	1-06 *	P				1			1	21
AC LO L	B07F1	1-07 *	P				2			1	21
AC LO L	B08F1	1-08 *	P				1			1	21
AC LO L	B09F1	1-09 *					1			4-4/8	21
AC LO L	C09V1	1-10 *	P				1			1	21
AC LO L	C08V1	1-11 *	P				2			1	21
AC LO L	C07V1	1-12 *	P				1			1	21
AC LO L	C06V1	1-13 *	P				2			1	21
AC LO L	C05V1	1-14 *	P				1			1	21
AC LO L	C04V1	1-15 *	P				2			1	21
AC LO L	C03V1	1-16 *	P				1			1	21
AC LO L	C02V1	1-17 *	P				2			1	21
AC LO L	C01V1	1-18 *									21
AC LO L		1								20-4/8	21
B BG IN	D02U2	1-01 *					1			3-7/8	22
B BG IN	F02B1	1-02 *									22
B BG IN		1								3-7/8	22
B BG OUT	D02V2	1-01 *					1			3-7/8	23
B BG OUT	F02A1	1-02 *									23
B BG OUT		1								3-7/8	23
B BR OUT	D02J2	1-01 *					1			6-5/8	24
B BR OUT	F02P1	1-02 *					2			1	24
B BR OUT	F02U2	1-03 *									24
B BR OUT		1								7-5/8	24
B IN	D02H1	1-01 *					1			3-4/8	25
B IN	E02M1	1-02 *									25
B IN		1								3-4/8	25
B INT A	D02N1	1-01 *					1			6-3/8	26
B INT A	F02U1	1-02 *									26
B INT A		1								6-3/8	26
B INT B	C02J1	1-01 *					1			8-5/8	27
B INT B	F02K2	1-02 *									27
B INT B		1								8-5/8	27
B INT ENB A	D02M1	1-01 *					1			6-5/8	28
B INT ENB A	F02V1	1-02 *									28
B INT ENB A		1								6-5/8	28
B INT ENB B	C02L1	1-01 *					1			8-1/8	29
B INT ENB B	F02H2	1-02 *									29
B INT ENB B		1								8-1/8	29
B OUT HIGP	D02K1	1-01 *					1			3-3/8	30
B OUT HIGP	E02M2	1-02 *									30
B OUT HIGP		1								3-3/8	30

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	G	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
B OUT LOW	D02D1	1=01 *				1				4		31
B OUT LOW	E02N1	1=02 *										31
B OUT LOW		1								4=0/8		31
B SEL 0	D02F1	1=01 *				1				4=1/8		32
B SEL 0	E02S2	1=02 *										32
B SEL 0		1								4=1/8		32
B SEL 4	D02E1	1=01 *				1				4=3/8		33
B SEL 4	E02R2	1=02 *										33
B SEL 4		1								4=3/8		33
B SEL 6	D02C1	1=01 *				1				4=4/8		34
B SEL 6	F02S1	1=02 *										34
B SEL 6		1								4=4/8		34
B SER 2	D02J1	1=01 *				1				4=1/8		35
B SER 2	E02T2	1=02 *										35
B SER 2		1								4=1/8		35
B SSYN IN H	D02V1	1=01 *				1				1		36
B SSYN IN H	E02B1	1=02 *										36
B SSYN IN H		1								1=0/8		36
BB+15	A02R1	1=01 *	P			2				1		37
BB+15	A03R1	1=02 *	P			1				1		37
BB+15	A04R1	1=03 *	P			2				1		37
BB+15	A05R1	1=04 *	P			1				1		37
BB+15	A06R1	1=05 *	P			2				1		37
BB+15	A07R1	1=06 *	P			1				1		37
BB+15	A08R1	1=07 *	X									37
BB+15		1								6=0/8		37
BB+5	B02D1	1=01 *	P			2				1		38
BB+5	B03D1	1=02 *	P			1				1		38
BB+5	B04D1	1=03 *	P			2				1		38
BB+5	B05D1	1=04 *	P			1				1		38
BB+5	B06D1	1=05 *	P			2				1		38
BB+5	B07D1	1=06 *	P			1				1		38
BB+5	B08D1	1=07 *	X									38
BB+5		1								6=0/8		38
BB=15	A02S1	1=01 *	P			2				1		39
BB=15	A03S1	1=02 *	P			1				1		39
BB=15	A04S1	1=03 *	P			2				1		39
BB=15	A05S1	1=04 *	P			1				1		39
BB=15	A06S1	1=05 *	P			2				1		39
BB=15	A07S1	1=06 *	P			1				1		39
BB=15	A08S1	1=07 *	X									39
BB=15		1								6=0/8		39

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	0	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BBSY L	A01P2		1-01 *	F				2		1		40
BBSY L	A02P2		1-02 *	P				1		1		40
BBSY L	A03P2		1-03 *	P				2		1		40
BBSY L	A04P2		1-04 *	h				1	TW	14-1/8		40
BBSY L	F01D1		1-05 *	P				2		1		40
BBSY L	F02D1		1-06 *	P				1		1		40
BBSY L	F03D1		1-07 *	P				2		1		40
BBSY L	F04D1		1-08 *	H				1	2FTTW	1		40
BBSY L	F05D1		1-09 *	P				2		1		40
BBSY L	F06D1		1-10 *	P				1		1		40
BBSY L	F07D1		1-11 *	P				2		1		40
BBSY L	F08D1		1-12 *	P				1		1		40
BBSY L	F09D1		1-13 *	H				2	TW	14-3/8		40
BBSY L	A05F2		1-14 *	P				1		1		40
BBSY L	A06P2		1-15 *	P				2		1		40
BBSY L	A07P2		1-16 *	P				1		1		40
BBSY L	A08P2		1-17 *					2		1		40
BBSY L	A09P2		1-18 *									40
BBSY L			1							43-4/8		40
BG4 A	B01E2		1-01 *	H				1	TW	7		41
BG4 A	D01S2		1-02 *									41
BG4 A			1							7-0/8		41
BG4 B	D01T2		1-01 *	P				1		0-5/8		42
BG4 B	D02S2		1-02 *	X								42
BG4 B			1							0-5/8		42
BG4 C	D02T2		1-01 *	P				1		0-5/8		43
BG4 C	D03S2		1-02 *	X								43
BG4 C			1							0-5/8		43
BG4 D	D03T2		1-01 *	P				1		0-5/8		44
BG4 D	D04S2		1-02 *	X								44
BG4 D			1							0-5/8		44
BG4 E	D04T2		1-01 *	P				1		0-5/8		45
BG4 E	D05S2		1-02 *	X								45
BG4 E			1							0-5/8		45
BG4 F	D05T2		1-01 *	P				1		0-5/8		46
BG4 F	D06S2		1-02 *	X								46
BG4 F			1							0-5/8		46
BG4 H	D06T2		1-01 *	P				1		0-5/8		47
BG4 H	D07S2		1-02 *	X								47
BG4 H			1							0-5/8		47
BG4 J	D07T2		1-01 *	P				1		0-5/8		48
BG4 J	D08S2		1-02 *	X								48
BG4 J			1							0-5/8		48
BG4 K	D08T2		1-01 *	P				1		0-5/8		49
BG4 K	D09S2		1-02 *	X								49
BG4 K			1							0-5/8		49

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - BAY ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BG4 L	B09E2		1-01 *	H			1		TW	7-1/8		50
BG4 L	D09T2		1-02 *	X								50
BG4 L			1							7-1/8		50
BG5 A	B01B1		1-01 *	H			1		TW	7-1/8		51
BG5 A	D01P2		1-02 *	X								51
BG5 A			1							7-1/8		51
BG5 B	D01R2		1-01 *	P			1			0-5/8		52
BG5 B	D02P2		1-02 *	X								52
BG5 B			1							0-5/8		52
BG5 C	D02R2		1-01 *	P			1			0-5/8		53
BG5 C	D03P2		1-02 *	X								53
BG5 C			1							0-5/8		53
BG5 D	D03R2		1-01 *	P			1			0-5/8		54
BG5 D	D04P2		1-02 *	X								54
BG5 D			1							0-5/8		54
BG5 E	D04R2		1-01 *	P			1			0-5/8		55
BG5 E	D05P2		1-02 *	X								55
BG5 E			1							0-5/8		55
BG5 F	D05R2		1-01 *	P			1			0-5/8		56
BG5 F	D06P2		1-02 *	X								56
BG5 F			1							0-5/8		56
BG5 H	D06R2		1-01 *	P			1			0-5/8		57
BG5 H	D07P2		1-02 *	X								57
BG5 H			1							0-5/8		57
BG5 J	D07R2		1-01 *	P			1			0-5/8		58
BG5 J	D08P2		1-02 *	X								58
BG5 J			1							0-5/8		58
BG5 K	D08R2		1-01 *	P			1			0-5/8		59
BG5 K	D09P2		1-02 *	X								59
BG5 K			1							0-5/8		59
BG5 L	B09B1		1-01 *	H			1		TW	7-3/8		60
BG5 L	D09R2		1-02 *	X								60
BG5 L			1							7-3/8		60
BG6 A	B01A1		1-01 *	H			1		TW	7-1/8		61
BG6 A	D01M2		1-02 *	X								61
BG6 A			1							7-1/8		61
BG6 B	D01N2		1-01 *	P			1			0-5/8		62
BG6 B	D02M2		1-02 *	X								62
BG6 B			1							0-5/8		62
BG6 C	D02N2		1-01 *	P			1			0-5/8		63
BG6 C	D03M2		1-02 *	X								63
BG6 C			1							0-5/8		63

RUN NAME	A/P PIN NAME	ORDER PIN	BAY = ORDER	O	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BG6 D	D03N2		1=01 *	P					1			0=5/8		64
BG6 D	D04M2		1=02 *	X										64
BG6 D			1									0=5/8		64
BG6 E	D04N2		1=01 *	P					1			0=5/8		65
BG6 E	D05M2		1=02 *	X										65
BG6 E			1									0=5/8		65
BG6 F	D05N2		1=01 *	P					1			0=5/8		66
BG6 F	D06M2		1=02 *	X										66
BG6 F			1									0=5/8		66
BG6 H	D06N2		1=01 *	P					1			0=5/8		67
BG6 H	D07M2		1=02 *	X										67
BG6 H			1									0=5/8		67
BG6 J	D07N2		1=01 *	P					1			0=5/8		68
BG6 J	D08M2		1=02 *	X										68
BG6 J			1									0=5/8		68
BG6 K	D08N2		1=01 *	P					1			0=5/8		69
BG6 K	D09M2		1=02 *	X										69
BG6 K			1									0=5/8		69
BG6 L	B09A1		1=01 *	H					1		TW	7=3/8		70
BG6 L	D09N2		1=02 *	X										70
BG6 L			1									7=3/8		70
BG7 A	A01V1		1=01 *	H					1		TW	7=3/8		71
BG7 A	D01K2		1=02 *	X										71
BG7 A			1									7=3/8		71
BG7 B	D01L2		1=01 *	P					1			0=5/8		72
BG7 B	D02K2		1=02 *	X										72
BG7 B			1									0=5/8		72
BG7 C	D02L2		1=01 *	P					1			0=5/8		73
BG7 C	D03K2		1=02 *	X										73
BG7 C			1									0=5/8		73
BG7 D	D03L2		1=01 *	P					1			0=5/8		74
BG7 D	D04K2		1=02 *	X										74
BG7 D			1									0=5/8		74
BG7 E	D04L2		1=01 *	P					1			0=5/8		75
BG7 E	D05K2		1=02 *	X										75
BG7 E			1									0=5/8		75
BG7 F	D05L2		1=01 *	P					1			0=5/8		76
BG7 F	D06K2		1=02 *	X										76
BG7 F			1									0=5/8		76
BG7 H	D06L2		1=01 *	P					1			0=5/8		77
BG7 H	D07K2		1=02 *	X										77
BG7 H			1									0=5/8		77

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BG7 J	D07L2		1-01 *	P				1				0-5/8		78
BG7 J	D08K2		1-02 *	X										78
BG7 J			1									0-5/8		78
BG7 K	D08L2		1-01 *	P				1				0-5/8		79
BG7 K	D09K2		1-02 *	X										79
BG7 K			1									0-5/8		79
BG7 L	A09V1		1-01 *	H				1			TW	7-5/8		80
BG7 L	D09L2		1-02 *	X										80
BG7 L			1									7-5/8		80
BR4 L	B09D2		1-01 *					1				1		81
BR4 L	B08D2		1-02 *					2				1		81
BR4 L	B07D2		1-03 *					1				1		81
BR4 L	B06D2		1-04 *					2				1		81
BR4 L	B05D2		1-05 *					1				1		81
BR4 L	B04D2		1-06 *					2				1		81
BR4 L	B03D2		1-07 *					1				1		81
BR4 L	B02D2		1-08 *					2				1		81
BR4 L	B01D2		1-09 *					1				6-1/8		81
BR4 L	D01H2		1-10 *	P				2				1		81
BR4 L	D02H2		1-11 *	P				1				1		81
BR4 L	D03H2		1-12 *	P				2				1		81
BR4 L	D04H2		1-13 *	P				1				1		81
BR4 L	D05H2		1-14 *	P				2				1		81
BR4 L	D06H2		1-15 *	P				1				1		81
BR4 L	D07H2		1-16 *	P				2				1		81
BR4 L	D08H2		1-17 *	P				1				1		81
BR4 L	D09H2		1-18 *											81
BR4 L			1									22-1/8		81
BR5 L	D09F2		1-01 *	P				1				1		82
BR5 L	D08F2		1-02 *	P				2				1		82
BR5 L	D07F2		1-03 *	P				1				1		82
BR5 L	D06F2		1-04 *	P				2				1		82
BR5 L	D05F2		1-05 *	P				1				1		82
BR5 L	D04F2		1-06 *	P				2				1-4/8		82
BR5 L	D02F2		1-07 *	P				2				1		82
BR5 L	D01F2		1-08 *	P				1				1-4/8		82
BR5 L	D03F2		1-09 *					1				6-3/8		82
BR5 L	B03C1		1-10 *	P				1				1-4/8		82
BR5 L	B01C1		1-11 *	P				1				1		82
BR5 L	B02C1		1-12 *	P				2				1-4/8		82
BR5 L	B04C1		1-13 *					2				1		82
BR5 L	B05C1		1-14 *	P				2				1		82
BR5 L	B06C1		1-15 *	P				1				1		82
BR5 L	B07C1		1-16 *	P				2				1		82
BR5 L	B08C1		1-17 *	P				1				1		82
BR5 L	B09C1		1-18 *											82
BR5 L			1									24-3/8		82

RUN NAME	A/P PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BR6 L	A09U2		1-01 *					1		1		83
BR6 L	A08U2		1-02 *					2		1		83
BR6 L	A07U2		1-03 *					1		1		83
BR6 L	A06U2		1-04 *					2		1		83
BR6 L	A05U2		1-05 *					1		1		83
BR6 L	A04U2		1-06 *					2		1		83
BR6 L	A03U2		1-07 *					1		1		83
BR6 L	A02U2		1-08 *					2		1		83
BR6 L	A01U2		1-09 *					1		7		83
BR6 L	D01E2		1-10 *		P			2		1		83
BR6 L	D02E2		1-11 *		P			1		1		83
BR6 L	D03E2		1-12 *		P			2		1		83
BR6 L	D04E2		1-13 *		P			1		1		83
BR6 L	D05E2		1-14 *		P			2		1		83
BR6 L	D06E2		1-15 *		P			1		1		83
BR6 L	D07E2		1-16 *		P			2		1		83
BR6 L	D08E2		1-17 *		P			1		1		83
BR6 L	D09E2		1-18 *									83
BR6 L			!							23-0/8		83
BR7 L	A09T2		1-01 *					1		1		84
BR7 L	A08T2		1-02 *		P			2		1		84
BR7 L	A07T2		1-03 *		P			1		1		84
BR7 L	A06T2		1-04 *		P			2		1		84
BR7 L	A05T2		1-05 *					1		1		84
BR7 L	A04T2		1-06 *		P			1		1-4/8		84
BR7 L	A02T2		1-07 *		P			1		1		84
BR7 L	A01T2		1-08 *		P			2		1-4/8		84
BR7 L	A03T2		1-09 *					2		7		84
BR7 L	D03D2		1-10 *		P			2		1-4/8		84
BR7 L	D01D2		1-11 *		P			2		1		84
BR7 L	D02D2		1-12 *		P			1		1-4/8		84
BR7 L	D04D2		1-13 *		P			1		1		84
BR7 L	D05D2		1-14 *		P			2		1		84
BR7 L	D06D2		1-15 *		P			1		1		84
BR7 L	D07D2		1-16 *		P			2		1		84
BR7 L	D08D2		1-17 *		P			1		1		84
BR7 L	D09D2		1-18 *									84
BR7 L			1							25-0/8		84

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - PIN ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A00 L	B01H2	1-01 *	P							2		1		85
BUS A00 L	B02H2	1-02 *	P							1		1		85
BUS A00 L	B03H2	1-03 *	P							2		1		85
BUS A00 L	B04H2	1-04 *								1		1		85
BUS A00 L	B05H2	1-05 *	P							1		1		85
BUS A00 L	B06H2	1-06 *	P							2		1		85
BUS A00 L	B07H2	1-07 *	P							1		1		85
BUS A00 L	B08H2	1-08 *	P							2		1		85
BUS A00 L	B09H2	1-09 *								1		8-2/8		85
BUS A00 L	E09H2	1-10 *								2		1		85
BUS A00 L	E08H2	1-11 *								1		1		85
BUS A00 L	E07H2	1-12 *								2		1		85
BUS A00 L	E06H2	1-13 *								1		1		85
BUS A00 L	E05H2	1-14 *								2		1		85
BUS A00 L	E04H2	1-15 *								1		1		85
BUS A00 L	E03H2	1-16 *								2		1		85
BUS A00 L	E02H2	1-17 *								1		1		85
BUS A00 L	E01H2	1-18 *												85
BUS A00 L		1										24-2/8		85
BUS A01 L	B01H1	1-01 *	P							2		1		86
BUS A01 L	B02H1	1-02 *	P							1		1		86
BUS A01 L	B03H1	1-03 *	P							2		1		86
BUS A01 L	B04H1	1-04 *								1		1		86
BUS A01 L	B05H1	1-05 *	P							1		1		86
BUS A01 L	B06H1	1-06 *	P							2		1		86
BUS A01 L	B07H1	1-07 *	P							1		1		86
BUS A01 L	B08H1	1-08 *	P							2		1		86
BUS A01 L	B09H1	1-09 *								1		8-2/8		86
BUS A01 L	E09H1	1-10 *	P							2		1		86
BUS A01 L	E08H1	1-11 *	P							1		1		86
BUS A01 L	E07H1	1-12 *	P							2		1		86
BUS A01 L	E06H1	1-13 *	P							1		1		86
BUS A01 L	E05H1	1-14 *	P							2		1		86
BUS A01 L	E04H1	1-15 *	P							1		1		86
BUS A01 L	E03H1	1-16 *	P							2		1		86
BUS A01 L	E02H1	1-17 *	P							1				86
BUS A01 L	E01H1	1-18 *												86
BUS A01 L		1										24-2/8		86

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH EXCEPTIONS	RUN NUMBER
BUS A02 L	B01J2	1-01 *	P							2		1		87
BUS A02 L	B02J2	1-02 *	P							1		1		87
BUS A02 L	B03J2	1-03 *	P							2		1		87
BUS A02 L	B04J2	1-04 *								1		1		87
BUS A02 L	B05J2	1-05 *	P							1		1-4/8		87
BUS A02 L	B07J2	1-06 *	P							1		1		87
BUS A02 L	B08J2	1-07 *	P							2		1		87
BUS A02 L	B09J2	1-08 *	P							2		2		87
BUS A02 L	B06J2	1-09 *								2		9-1/8		87
BUS A02 L	E09F1	1-10 *	P							2		1		87
BUS A02 L	E08F1	1-11 *	P							1		1		87
BUS A02 L	E07F1	1-12 *	P							2		1		87
BUS A02 L	E06F1	1-13 *	P							1		1		87
BUS A02 L	E05F1	1-14 *	P							2		1		87
BUS A02 L	E04F1	1-15 *	P							1		1		87
BUS A02 L	E03F1	1-16 *	P							2		1		87
BUS A02 L	E02F1	1-17 *	P							1		1		87
BUS A02 L	E01F1	1-18 *												87
BUS A02 L		1										26-5/8		87
BUS A03 L	B01J1	1-01 *	P							1		1		88
BUS A03 L	B02J1	1-02 *	P							2		1		88
BUS A03 L	B03J1	1-03 *	P							1		1		88
BUS A03 L	B04J1	1-04 *								2		1		88
BUS A03 L	B05J1	1-05 *	P							2		1		88
BUS A03 L	B06J1	1-06 *	P							1		1-4/8		88
BUS A03 L	B07J1	1-07 *	P							2		1		88
BUS A03 L	B09J1	1-08 *	P							2		9-5/8		88
BUS A03 L	B08J1	1-09 *								1		1		88
BUS A03 L	E08V2	1-10 *	P							2		1-4/8		88
BUS A03 L	E09V2	1-11 *	P							1		1		88
BUS A03 L	E07V2	1-12 *	P							1		1		88
BUS A03 L	E06V2	1-13 *	P							2		1		88
BUS A03 L	E05V2	1-14 *	P							1		1		88
BUS A03 L	E04V2	1-15 *	P							2		1		88
BUS A03 L	E03V2	1-16 *	P							1		1		88
BUS A03 L	E02V2	1-17 *	P							2				88
BUS A03 L	E01V2	1-18 *												88
BUS A03 L		1										26-5/8		88

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A04 L	B01K2		1-01 *	P			2			1	89
BUS A04 L	B02K2		1-02 *	P			1			1	89
BUS A04 L	B03K2		1-03 *	P			2			1	89
BUS A04 L	B04K2		1-04 *				1			1	89
BUS A04 L	B05K2		1-05 *	P			1			1	89
BUS A04 L	B06K2		1-06 *	P			2			1	89
BUS A04 L	B07K2		1-07 *	P			1			1-4/8	89
BUS A04 L	B09K2		1-08 *	P			2			1	89
BUS A04 L	B08K2		1-09 *				2			9-2/8	89
BUS A04 L	E08U2		1-10 *	P			1			1	89
BUS A04 L	E09U2		1-11 *	P			2			1-4/8	89
BUS A04 L	E07U2		1-12 *	P			2			1	89
BUS A04 L	E06U2		1-13 *	P			1			1	89
BUS A04 L	E05U2		1-14 *	P			2			1	89
BUS A04 L	E04U2		1-15 *	P			1			1	89
BUS A04 L	E03U2		1-16 *	P			2			1	89
BUS A04 L	E02U2		1-17 *	P			1			1	89
BUS A04 L	E01U2		1-18 *								89
BUS A04 L			1							26-2/8	89
BUS A05 L	B01K1		1-01 *	P			1			1	90
BUS A05 L	B02K1		1-02 *	P			2			1	90
BUS A05 L	B03K1		1-03 *	P			1			1	90
BUS A05 L	B04K1		1-04 *				2			1	90
BUS A05 L	B05K1		1-05 *	P			2			1	90
BUS A05 L	B06K1		1-06 *	P			1			1	90
BUS A05 L	B07K1		1-07 *	P			2			1-4/8	90
BUS A05 L	B09K1		1-08 *	P			2			1	90
BUS A05 L	B08K1		1-09 *				1			9-3/8	90
BUS A05 L	E08V1		1-10 *	P			2			1	90
BUS A05 L	E09V1		1-11 *	P			1			1-4/8	90
BUS A05 L	E07V1		1-12 *	P			1			1	90
BUS A05 L	E06V1		1-13 *	P			2			1	90
BUS A05 L	E05V1		1-14 *	P			1			1	90
BUS A05 L	E04V1		1-15 *	P			2			1	90
BUS A05 L	E03V1		1-16 *	P			1			1	90
BUS A05 L	E02V1		1-17 *	P			2			1	90
BUS A05 L	E01V1		1-18 *								90
BUS A05 L			1							26-3/8	90

RUN NAME	A/P PIN NAME	ORDER PIN / BAY-ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A06 L	B01L2	1-01 *		P					2		1		91
BUS A06 L	B02L2	1-02 *		P					1		1		91
BUS A06 L	b03L2	1-03 *		P					2		1		91
BUS A06 L	B04L2	1-04 *							1		1		91
BUS A06 L	b05L2	1-05 *		P					1		1		91
BUS A06 L	b06L2	1-06 *		P					2		1		91
BUS A06 L	b07L2	1-07 *		P					1		1-4/8		91
BUS A06 L	B09L2	1-08 *		P					2		1		91
BUS A06 L	B08L2	1-09 *							2		9-3/8		91
BUS A06 L	E08U1	1-10 *		P					1		1		91
BUS A06 L	E09U1	1-11 *		P					2		1-4/8		91
BUS A06 L	E07U1	1-12 *		P					2		1		91
BUS A06 L	E06U1	1-13 *		P					1		1		91
BUS A06 L	E05U1	1-14 *		P					2		1		91
BUS A06 L	E04U1	1-15 *		P					1		1		91
BUS A06 L	E03U1	1-16 *		P					2		1		91
BUS A06 L	E02U1	1-17 *		P					1		1		91
BUS A06 L	L01U1	1-18 *											91
BUS A06 L		1										26-3/8	91
BUS A07 L	B01L1	1-01 *		P					1		1		92
BUS A07 L	B02L1	1-02 *		P					2		1		92
BUS A07 L	B03L1	1-03 *		P					1		1		92
BUS A07 L	b04L1	1-04 *							2		1		92
BUS A07 L	b05L1	1-05 *		P					2		1		92
BUS A07 L	B06L1	1-06 *		P					1		1		92
BUS A07 L	b07L1	1-07 *		P					2		1-4/8		92
BUS A07 L	B09L1	1-08 *		P					2		1		92
BUS A07 L	B08L1	1-09 *							1		8-5/8		92
BUS A07 L	E08P2	1-10 *		P					2		1		92
BUS A07 L	E09P2	1-11 *		P					1		1-4/8		92
BUS A07 L	E07P2	1-12 *		P					1		1		92
BUS A07 L	E06P2	1-13 *		P					2		1		92
BUS A07 L	E05P2	1-14 *		P					1		1		92
BUS A07 L	E04P2	1-15 *		P					2		1		92
BUS A07 L	E03P2	1-16 *		P					1		1		92
BUS A07 L	E02P2	1-17 *		P					2		1		92
BUS A07 L	E01P2	1-18 *											92
BUS A07 L		1										25-5/8	92

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A08 L	B01M2		1-01 *	P			1			1		93
BUS A08 L	B02M2		1-02 *	P			2			1		93
BUS A08 L	B03M2		1-03 *	P			1			1		93
BUS A08 L	B04M2		1-04 *				2			1		93
BUS A08 L	B05M2		1-05 *	P			2			1		93
BUS A08 L	B06M2		1-06 *	P			1			1-4/8		93
BUS A08 L	B08M2		1-07 *	P			1			1		93
BUS A08 L	B09M2		1-08 *	P			2			1-4/8		93
BUS A08 L	B07M2		1-09 *				2			8-3/8		93
BUS A08 L	E07N2		1-10 *	P			1			1-4/8		93
BUS A08 L	E09N2		1-11 *	P			1			1		93
BUS A08 L	E08N2		1-12 *	P			2			1-4/8		93
BUS A08 L	E06N2		1-13 *	P			2			1		93
BUS A08 L	E05N2		1-14 *	P			1			1		93
BUS A08 L	E04N2		1-15 *	P			2			1		93
BUS A08 L	E03N2		1-16 *	P			1			1		93
BUS A08 L	E02N2		1-17 *	P			2			1		93
BUS A08 L	E01N2		1-18 *									93
BUS A08 L			1							26-3/8		93
BUS A09 L	B01M1		1-01 *	P			1			1		94
BUS A09 L	B02M1		1-02 *	P			2			1		94
BUS A09 L	B03M1		1-03 *	P			1			1		94
BUS A09 L	B04M1		1-04 *				2			1		94
BUS A09 L	B05M1		1-05 *	P			2			1		94
BUS A09 L	B06M1		1-06 *	P			1			1-4/8		94
BUS A09 L	B08M1		1-07 *	P			1			1		94
BUS A09 L	B09M1		1-08 *	P			2			1-4/8		94
BUS A09 L	B07M1		1-09 *				2			8-5/8		94
BUS A09 L	E07R1		1-10 *	P			1			1-4/8		94
BUS A09 L	E09R1		1-11 *	P			1			1		94
BUS A09 L	E08R1		1-12 *	P			2			1-4/8		94
BUS A09 L	E06R1		1-13 *	P			2			1		94
BUS A09 L	E05R1		1-14 *	P			1			1		94
BUS A09 L	E04R1		1-15 *	P			2			1		94
BUS A09 L	E03R1		1-16 *	P			1			1		94
BUS A09 L	E02R1		1-17 *	P			2			1		94
BUS A09 L	E01R1		1-18 *									94
BUS A09 L			1							26-5/8		94

RUN NAME	A/P PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A10 L	B01N2	1-01 *	P							2		1		95
BUS A10 L	B02N2	1-02 *	P							1		1		95
BUS A10 L	B03N2	1-03 *	P							2		1		95
BUS A10 L	B04N2	1-04 *								1		1		95
BUS A10 L	B05N2	1-05 *	P							1		1		95
BUS A10 L	B06N2	1-06 *	P							2		1-4/8		95
BUS A10 L	B08N2	1-07 *	P							2		1		95
BUS A10 L	B09N2	1-08 *	P							2		1-4/8		95
BUS A10 L	B07N2	1-09 *								1		8-5/8		95
BUS A10 L	E07P1	1-10 *	P							2		1-4/8		95
BUS A10 L	E09P1	1-11 *	P							2		1		95
BUS A10 L	E08P1	1-12 *	P							1		1-4/8		95
BUS A10 L	E06P1	1-13 *	P							1		1		95
BUS A10 L	E05P1	1-14 *	P							2		1		95
BUS A10 L	E04P1	1-15 *	P							1		1		95
BUS A10 L	E03P1	1-16 *	P							2		1		95
BUS A10 L	E02P1	1-17 *	P							1		1		95
BUS A10 L	E01P1	1-18 *												95
BUS A10 L		1										26-5/8		95
BUS A11 L	B01N1	1-01 *	P							2		1		96
BUS A11 L	B02N1	1-02 *	P							1		1		96
BUS A11 L	B03N1	1-03 *	P							2		1		96
BUS A11 L	B04N1	1-04 *								1		1		96
BUS A11 L	B05N1	1-05 *	P							1		1		96
BUS A11 L	B06N1	1-06 *	P							2		1-4/8		96
BUS A11 L	B08N1	1-07 *	P							2		1		96
BUS A11 L	B09N1	1-08 *	P							2		1-4/8		96
BUS A11 L	B07N1	1-09 *								1		8		96
BUS A11 L	E07L1	1-10 *	P							2		1-4/8		96
BUS A11 L	E09L1	1-11 *	P							2		1		96
BUS A11 L	E08L1	1-12 *	P							1		1-4/8		96
BUS A11 L	E06L1	1-13 *	P							1		1		96
BUS A11 L	E05L1	1-14 *	P							2		1		96
BUS A11 L	E04L1	1-15 *	P							1		1		96
BUS A11 L	E03L1	1-16 *	P							2		1		96
BUS A11 L	E02L1	1-17 *	P							1		1		96
BUS A11 L	E01L1	1-18 *												96
BUS A11 L		1										26-0/8		96

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A12 L	B01P2		1-01 *	P				2		1		97
BUS A12 L	B02P2		1-02 *	P				1		1		97
BUS A12 L	B03P2		1-03 *	P				2		1		97
BUS A12 L	B04P2		1-04 *					1		1		97
BUS A12 L	B05P2		1-05 *	P				1		1		97
BUS A12 L	B06P2		1-06 *	P				2		1-4/8		97
BUS A12 L	B08P2		1-07 *	P				2		1		97
BUS A12 L	B09P2		1-08 *	P				2		1-4/8		97
BUS A12 L	B07P2		1-09 *					1		7-1/8		97
BUS A12 L	E07C1		1-10 *	P				2		1-4/8		97
BUS A12 L	E09C1		1-11 *	P				2		1		97
BUS A12 L	E08C1		1-12 *	P				1		1-4/8		97
BUS A12 L	E06C1		1-13 *	P				1		1		97
BUS A12 L	E05C1		1-14 *	P				2		1		97
BUS A12 L	E04C1		1-15 *	P				1		1		97
BUS A12 L	E03C1		1-16 *	P				2		1		97
BUS A12 L	E02C1		1-17 *	P				1		1		97
BUS A12 L	E01C1		1-18 *									97
BUS A12 L			1							25-1/8		97
BUS A13 L	B01P1		1-01 *	P				1		1		98
BUS A13 L	B02P1		1-02 *	P				2		1		98
BUS A13 L	B03P1		1-03 *	P				1		1		98
BUS A13 L	B04P1		1-04 *					2		1		98
BUS A13 L	B05P1		1-05 *	P				2		1-4/8		98
BUS A13 L	B07P1		1-06 *	P				2		1		98
BUS A13 L	B08P1		1-07 *	P				1		1		98
BUS A13 L	B09P1		1-08 *	P				2		2		98
BUS A13 L	B06P1		1-09 *					1		7-7/8		98
BUS A13 L	E06K2		1-10 *	P				2		2		98
BUS A13 L	E09K2		1-11 *	P				1		1		98
BUS A13 L	E08K2		1-12 *	P				2		1		98
BUS A13 L	E07K2		1-13 *	P				1		1-4/8		98
BUS A13 L	E05K2		1-14 *	P				1		1		98
BUS A13 L	E04K2		1-15 *	P				2		1		98
BUS A13 L	E03K2		1-16 *	P				1		1		98
BUS A13 L	E02K2		1-17 *	P				2		1		98
BUS A13 L	E01K2		1-18 *									98
BUS A13 L			1							26-7/8		98

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS A14 L	B01R2		1-01 *	P			2			1		99
BUS A14 L	B02R2		1-02 *	P			1			1		99
BUS A14 L	B03R2		1-03 *	P			2			1		99
BUS A14 L	B04R2		1-04 *				1			1		99
BUS A14 L	B05R2		1-05 *	P			1			1-4/8		99
BUS A14 L	B07R2		1-06 *	P			1			1		99
BUS A14 L	B08R2		1-07 *	P			2			1		99
BUS A14 L	B09R2		1-08 *	P			2			2		99
BUS A14 L	B06R2		1-09 *				2			7-7/8		99
BUS A14 L	E06K1		1-10 *	P			1			2		99
BUS A14 L	E09K1		1-11 *	P			2			1		99
BUS A14 L	E08K1		1-12 *	P			1			1		99
BUS A14 L	E07K1		1-13 *	P			2			1-4/8		99
BUS A14 L	E05K1		1-14 *	P			2			1		99
BUS A14 L	E04K1		1-15 *	P			1			1		99
BUS A14 L	E03K1		1-16 *	P			2			1		99
BUS A14 L	E02K1		1-17 *	P			1			1		99
BUS A14 L	E01K1		1-18 *									99
BUS A14 L			1							26-7/8		99
BUS A15 L	B01R1		1-01 *	P			1			1		100
BUS A15 L	B02R1		1-02 *	P			2			1		100
BUS A15 L	B03R1		1-03 *	P			1			1		100
BUS A15 L	B04R1		1-04 *				2			1		100
BUS A15 L	B05R1		1-05 *	P			2			1		100
BUS A15 L	B06R1		1-06 *	P			1			1		100
BUS A15 L	B07R1		1-07 *	P			2			1		100
BUS A15 L	B08R1		1-08 *	P			1			1		100
BUS A15 L	B09R1		1-09 *				1			7-1/8		100
BUS A15 L	E09D2		1-10 *				2			1		100
BUS A15 L	E08D2		1-11 *				1			1		100
BUS A15 L	E07D2		1-12 *				2			1		100
BUS A15 L	E06D2		1-13 *				1			1		100
BUS A15 L	E05D2		1-14 *				2			1		100
BUS A15 L	E04D2		1-15 *				1			1		100
BUS A15 L	E03D2		1-16 *				2			1		100
BUS A15 L	E02D2		1-17 *				1			1		100
BUS A15 L	E01D2		1-18 *									100
BUS A15 L			1							23-1/8		100

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
BUS A16 L		B01S2		1-01 *		P					2			1		101
BUS A16 L		B02S2		1-02 *		P					1			1		101
BUS A16 L		B03S2		1-03 *		P					2			1		101
BUS A16 L		B04S2		1-04 *							1			1		101
BUS A16 L		B05S2		1-05 *		P					1			1-4/8		101
BUS A16 L		B07S2		1-06 *		P					1			1		101
BUS A16 L		B08S2		1-07 *		P					2			1		101
BUS A16 L		B09S2		1-08 *		P					2			2		101
BUS A16 L		B06S2		1-09 *							2			7		101
BUS A16 L		E06E2		1-10 *		P					1			2		101
BUS A16 L		E09E2		1-11 *		P					2			1		101
BUS A16 L		E08E2		1-12 *		P					1			1		101
BUS A16 L		E07E2		1-13 *		P					2			1-4/8		101
BUS A16 L		E05E2		1-14 *		P					2			1		101
BUS A16 L		E04E2		1-15 *		P					1			1		101
BUS A16 L		E03E2		1-16 *		P					2			1		101
BUS A16 L		E02E2		1-17 *		P					1			1		101
BUS A16 L		E01E2		1-18 *												101
BUS A16 L				1										26-0/8		101
BUS A17 L		B01S1		1-01 *		P					1			1		102
BUS A17 L		B02S1		1-02 *		P					2			1		102
BUS A17 L		B03S1		1-03 *		P					1			1		102
BUS A17 L		B04S1		1-04 *							2			1		102
BUS A17 L		B05S1		1-05 *		P					2			1-4/8		102
BUS A17 L		B07S1		1-06 *		P					2			1		102
BUS A17 L		B08S1		1-07 *		P					1			1		102
BUS A17 L		B09S1		1-08 *		P					2			2		102
BUS A17 L		B06S1		1-09 *							1			6-7/8		102
BUS A17 L		E06D1		1-10 *		P					2			2		102
BUS A17 L		E09D1		1-11 *		P					1			1		102
BUS A17 L		E08D1		1-12 *		P					2			1		102
BUS A17 L		E07D1		1-13 *		P					1			1-4/8		102
BUS A17 L		E05D1		1-14 *		P					1			1		102
BUS A17 L		E04D1		1-15 *		P					2			1		102
BUS A17 L		E03D1		1-16 *		P					1			1		102
BUS A17 L		E02D1		1-17 *		P					2			1		102
BUS A17 L		E01D1		1-18 *												102
BUS A17 L				1										25-7/8		102

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D00 L	A09C1		1-01 *						1			1		103
BUS D00 L	A08C1		1-02 *						2			1		103
BUS D00 L	A07C1		1-03 *						1			1		103
BUS D00 L	A06C1		1-04 *						2			1		103
BUS D00 L	A05C1		1-05 *						1			1		103
BUS D00 L	A04C1		1-06 *						2			1		103
BUS D00 L	A03C1		1-07 *						1			1		103
BUS D00 L	A02C1		1-08 *		P				2			1		103
BUS D00 L	A01C1		1-09 *						1			7-3/8		103
BUS D00 L	C01S2		1-10 *						2			1		103
BUS D00 L	C02S2		1-11 *						1			1		103
BUS D00 L	C03S2		1-12 *						2			1		103
BUS D00 L	C04S2		1-13 *						1			1		103
BUS D00 L	C05S2		1-14 *						2			1		103
BUS D00 L	C06S2		1-15 *						1			1		103
BUS D00 L	C07S2		1-16 *						2			1		103
BUS D00 L	C08S2		1-17 *						1			1		103
BUS D00 L	C09S2		1-18 *											103
BUS D00 L			1									23-3/8		103
BUS D01 L	C09R2		1-01 *		P				2			1		104
BUS D01 L	C08R2		1-02 *		P				1			1		104
BUS D01 L	C07R2		1-03 *		P				2			1		104
BUS D01 L	C06R2		1-04 *		P				1			1		104
BUS D01 L	C05R2		1-05 *		P				2			1		104
BUS D01 L	C04R2		1-06 *		P				1			1		104
BUS D01 L	C03R2		1-07 *		P				2			1		104
BUS D01 L	C02R2		1-08 *		P				1			1		104
BUS D01 L	C01R2		1-09 *						2			7		104
BUS D01 L	A01D2		1-10 *		P				2			1		104
BUS D01 L	A02D2		1-11 *		P				1			1		104
BUS D01 L	A03D2		1-12 *		P				2			1		104
BUS D01 L	A04D2		1-13 *						1			1		104
BUS D01 L	A05D2		1-14 *		P				1			1		104
BUS D01 L	A06D2		1-15 *		P				2			1		104
BUS D01 L	A07D2		1-16 *		P				1			1		104
BUS D01 L	A08D2		1-17 *		P				2			1		104
BUS D01 L	A09D2		1-18 *											104
BUS D01 L			1									23-0/8		104

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D02 L		F09E2		1-01 *	P				1				1		105
BUS D02 L		F08E2		1-02 *	P				2				1		105
BUS D02 L		F07E2		1-03 *	P				1				1		105
BUS D02 L		F06E2		1-04 *	P				2				1-4/8		105
BUS D02 L		F04E2		1-05 *	P				2				1		105
BUS D02 L		F03E2		1-06 *	P				1				1		105
BUS D02 L		F02F2		1-07 *	P				2				1		105
BUS D02 L		F01E2		1-08 *	P				1				2-4/8		105
BUS D02 L		F05E2		1-09 *					1				7		105
BUS D02 L		C05U2		1-10 *	P				1				2-4/8		105
BUS D02 L		C09U2		1-11 *	P				1				1		105
BUS D02 L		C08U2		1-12 *	P				2				1		105
BUS D02 L		C07U2		1-13 *	P				1				1		105
BUS D02 L		C06U2		1-14 *	P				2				1-4/8		105
BUS D02 L		C04U2		1-15 *	P				2				1		105
BUS D02 L		C03U2		1-16 *	P				1				1		105
BUS D02 L		C02U2		1-17 *	P				2				1		105
BUS D02 L		C01U2		1-18 *					1				7-3/8		105
BUS D02 L		A01D1		1-19 *	P				1				1		105
BUS D02 L		A02D1		1-20 *	P				2				1		105
BUS D02 L		A03D1		1-21 *	P				1				1		105
BUS D02 L		A04D1		1-22 *					2				1		105
BUS D02 L		A05D1		1-23 *	P				2				1		105
BUS D02 L		A06D1		1-24 *	P				1				1		105
BUS D02 L		A07D1		1-25 *	P				2				1		105
BUS D02 L		A08D1		1-26 *	P				1				1		105
BUS D02 L		A09D1		1-27 *												105
BUS D02 L				1									42-3/8		105

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D03 L	F09L1		1-01 *	P				1		1		106
BUS D03 L	F08L1		1-02 *	P				2		1		106
BUS D03 L	F07L1		1-03 *	P				1		1		106
BUS D03 L	F06L1		1-04 *	P				2		1-4/8		106
BUS D03 L	F04L1		1-05 *	P				2		1		106
BUS D03 L	F03L1		1-06 *	P				1		1		106
BUS D03 L	F02L1		1-07 *	P				2		1		106
BUS D03 L	F01L1		1-08 *	P				1		2-4/8		106
BUS D03 L	F05L1		1-09 *					1		7-7/8		106
BUS D03 L	C05T2		1-10 *					1		2-4/8		106
BUS D03 L	C09T2		1-11 *	F				1		1		106
BUS D03 L	C08T2		1-12 *	P				2		1		106
BUS D03 L	C07T2		1-13 *	P				1		1		106
BUS D03 L	C06T2		1-14 *	P				2		1-4/8		106
BUS D03 L	C04T2		1-15 *	P				2		1		106
BUS D03 L	C03T2		1-16 *	P				1		1		106
BUS D03 L	C02T2		1-17 *	P				2		1		106
BUS D03 L	C01T2		1-18 *					1		7-1/8		105
BUS D03 L	A01E2		1-19 *	P				1		1		106
BUS D03 L	A02E2		1-20 *	P				2		1		106
BUS D03 L	A03E2		1-21 *	P				1		1		106
BUS D03 L	A04E2		1-22 *					2		1		106
BUS D03 L	A05E2		1-23 *	P				2		1		106
BUS D03 L	A06E2		1-24 *	P				1		1		106
BUS D03 L	A07E2		1-25 *	P				2		1		106
BUS D03 L	A08E2		1-26 *	P				1		1		106
BUS D03 L	A09E2		1-27 *									106
BUS D03 L			1							43-0/8		106

RUN NAME   A/P PIN   ORDER   BAY -   Q   DRAW   RV RG Y   X   Z   REMARKS   NC LENGTH EXCEPTIONS   RUN
                             NAME   PIN   ORDER   OPT   FLAG   NUMBER

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D04 L	F09N2		1-01 *	P				1				1		107
BUS D04 L	F08N2		1-02 *	P				2				1		107
BUS D04 L	F07N2		1-03 *	P				1				1		107
BUS D04 L	F06N2		1-04 *	P				2				1-4/8		107
BUS D04 L	F04N2		1-05 *	P				2				1		107
BUS D04 L	F03N2		1-06 *	P				1				1		107
BUS D04 L	F02N2		1-07 *	P				2				1		107
BUS D04 L	F01N2		1-08 *	P				1				2-4/8		107
BUS D04 L	F05N2		1-09 *					1				0-4/8		107
BUS D04 L	C05N2		1-10 *	P				1				2-4/8		107
BUS D04 L	C09N2		1-11 *	P				1				1		107
BUS D04 L	C08N2		1-12 *	P				2				1		107
BUS D04 L	C07N2		1-13 *	P				1				1		107
BUS D04 L	C06N2		1-14 *	P				2				1-4/8		107
BUS D04 L	C04N2		1-15 *	P				2				1		107
BUS D04 L	C03N2		1-16 *	P				1				1-4/8		107
BUS D04 L	C01N2		1-17 *	P				1				1		107
BUS D04 L	C02N2		1-18 *					2				6-7/8		107
BUS D04 L	A02E1		1-19 *	P				2				1		107
BUS D04 L	A01E1		1-20 *	P				1				1-4/8		107
BUS D04 L	A03E1		1-21 *	P				1				1		107
BUS D04 L	A04E1		1-22 *					2				1		107
BUS D04 L	A05E1		1-23 *	P				2				1		107
BUS D04 L	A06E1		1-24 *	P				1				1		107
BUS D04 L	A07E1		1-25 *	P				2				1		107
BUS D04 L	A08E1		1-26 *	P				1				1		107
BUS D04 L	A09E1		1-27 *											107
BUS D04 L			1									44-3/8		107

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D05 L	A09F2		1-01 *	P						2			1	108
BUS D05 L	A08F2		1-02 *	P						2			1	108
BUS D05 L	A07F2		1-03 *	P						1			1	108
BUS D05 L	A06F2		1-04 *	P						2			1	108
BUS D05 L	A05F2		1-05 *							1			1	108
BUS D05 L	A04F2		1-06 *	P						1			1	108
BUS D05 L	A03F2		1-07 *	P						2			1-4/8	108
BUS D05 L	A01F2		1-08 *	P						2			1	108
BUS D05 L	A02F2		1-09 *							1			6-5/8	108
BUS D05 L	C02P2		1-10 *	P						1			1	108
BUS D05 L	C01P2		1-11 *	P						2			1-4/8	108
BUS D05 L	C03P2		1-12 *	P						2			1	108
BUS D05 L	C04P2		1-13 *	P						1			1-4/8	108
BUS D05 L	C06P2		1-14 *	P						1			1	108
BUS D05 L	C07P2		1-15 *	P						2			1	108
BUS D05 L	C08P2		1-16 *	P						1			1	108
BUS D05 L	C09P2		1-17 *	P						2			2-4/8	108
BUS D05 L	C05P2		1-18 *							2			7-5/8	108
BUS D05 L	F05F1		1-19 *	P						2			2-4/8	108
BUS D05 L	F01F1		1-20 *	P						2			1	108
BUS D05 L	F02F1		1-21 *	P						1			1	108
BUS D05 L	F03F1		1-22 *	P						2			1	108
BUS D05 L	F04F1		1-23 *	P						1			1-4/8	108
BUS D05 L	F06F1		1-24 *	P						1			1	108
BUS D05 L	F07F1		1-25 *	P						2			1	108
BUS D05 L	F08F1		1-26 *	P						1			1	108
BUS D05 L	F09F1		1-27 *											108
BUS D05 L			1										43-2/8	108

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV RG Y	X Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D06 L		A09F1		1-01 *	P			2			1	109
BUS D06 L		A08F1		1-02 *	P			1			1	109
BUS D06 L		A07F1		1-03 *	P			2			1	109
BUS D06 L		A06F1		1-04 *	P			1			1	109
BUS D06 L		A05F1		1-05 *				2			1	109
BUS D06 L		A04F1		1-06 *	P			2			1	109
BUS D06 L		A03F1		1-07 *	P			1			1-4/8	109
BUS D06 L		A01F1		1-08 *	P			1			1	109
BUS D06 L		A02F1		1-09 *				2			7-3/8	109
BUS D06 L		C02V2		1-10 *	P			2			1	109
BUS D06 L		C01V2		1-11 *	P			1			1-4/8	109
BUS D06 L		C03V2		1-12 *	P			1			1	109
BUS D06 L		C04V2		1-13 *	P			2			1-4/8	109
BUS D06 L		C06V2		1-14 *	P			2			1	109
BUS D06 L		C07V2		1-15 *	P			1			1	109
BUS D06 L		C08V2		1-16 *	P			2			1	109
BUS D06 L		C09V2		1-17 *	P			1			2-4/8	109
BUS D06 L		C05V2		1-18 *				1			7	109
BUS D06 L		F05F2		1-19 *	P			1			2-4/8	109
BUS D06 L		F01F2		1-20 *	P			1			1	109
BUS D06 L		F02F2		1-21 *	P			2			1	109
BUS D06 L		F03F2		1-22 *	P			1			1	109
BUS D06 L		F04F2		1-23 *	P			2			1-4/8	109
BUS D06 L		F06F2		1-24 *	P			2			1	109
BUS D06 L		F07F2		1-25 *	P			1			1	109
BUS D06 L		F08F2		1-26 *	P			2			1	109
BUS D06 L		F09F2		1-27 *								109
BUS D06 L				1							43-3/8	109

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D07 L	A09H2		1-01 *	P				2				1		110
BUS D07 L	A08H2		1-02 *	P				1				1		110
BUS D07 L	A07H2		1-03 *	P				2				1		110
BUS D07 L	A06H2		1-04 *	P				1				1		110
BUS D07 L	A05H2		1-05 *					2				1		110
BUS D07 L	A04H2		1-06 *	P				2				1		110
BUS D07 L	A03H2		1-07 *	P				1				1-4/8		110
BUS D07 L	A01H2		1-08 *	P				1				1		110
BUS D07 L	A02H2		1-09 *					2				6-2/8		110
BUS D07 L	C02M2		1-10 *	P				2				1		110
BUS D07 L	C01M2		1-11 *	P				1				1-4/8		110
BUS D07 L	C03M2		1-12 *	P				1				1		110
BUS D07 L	C04M2		1-13 *	P				2				1-4/8		110
BUS D07 L	C06M2		1-14 *	P				2				1		110
BUS D07 L	C07M2		1-15 *	P				1				1		110
BUS D07 L	C08M2		1-16 *	P				2				1		110
BUS D07 L	C09M2		1-17 *	P				1				2-4/8		110
BUS D07 L	C05M2		1-18 *					1				8-1/8		110
BUS D07 L	F05H1		1-19 *	P				1				2-4/8		110
BUS D07 L	F01H1		1-20 *	P				1				1		110
BUS D07 L	F02H1		1-21 *	P				2				1		110
BUS D07 L	F03H1		1-22 *	P				1				1		110
BUS D07 L	F04H1		1-23 *	P				2				1-4/8		110
BUS D07 L	F06H1		1-24 *	P				2				1		110
BUS D07 L	F07H1		1-25 *	P				1				1		110
BUS D07 L	F08H1		1-26 *	P				2				1		110
BUS D07 L	F09H1		1-27 *											110
BUS D07 L			1									43-3/8		110

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
BUS D08 L	A09H1		1-01 *	P					2			1	111
BUS D08 L	A08H1		1-02 *	P					1			1	111
BUS D08 L	A07H1		1-03 *	P					2			1	111
BUS D08 L	A06H1		1-04 *	P					1			1	111
BUS D08 L	A05H1		1-05 *						2			1	111
BUS D08 L	A04H1		1-06 *	P					2			1	111
BUS D08 L	A03H1		1-07 *	P					1			1-4/8	111
BUS D08 L	A01H1		1-08 *	P					1			1	111
BUS D08 L	A02H1		1-09 *						2			6-3/8	111
BUS D08 L	C02L2		1-10 *	P					2			1	111
BUS D08 L	C01L2		1-11 *	P					1			1-4/8	111
BUS D08 L	C03L2		1-12 *	P					1			1	111
BUS D08 L	C04L2		1-13 *	P					2			1-4/8	111
BUS D08 L	C06L2		1-14 *	P					2			1	111
BUS D08 L	C07L2		1-15 *	P					1			1	111
BUS D08 L	C08L2		1-16 *	P					2			1	111
BUS D08 L	C09L2		1-17 *	P					1			2-4/8	111
BUS D08 L	C05L2		1-18 *						1			8-5/8	111
BUS D08 L	F05K1		1-19 *	P					1			2-4/8	111
BUS D08 L	F01K1		1-20 *	P					1			1	111
BUS D08 L	F02K1		1-21 *	P					2			1	111
BUS D08 L	F03K1		1-22 *	P					1			1	111
BUS D08 L	F04K1		1-23 *	P					2			1-4/8	111
BUS D08 L	F06K1		1-24 *	P					2			1	111
BUS D08 L	F07K1		1-25 *	P					1			1	111
BUS D08 L	F08K1		1-26 *	P					2			1	111
BUS D08 L	F09K1		1-27 *										111
BUS D08 L			1									44-0/8	111
BUS D09 L	A09J2		1-01 *	P					2			1	112
BUS D09 L	A08J2		1-02 *	P					2			1	112
BUS D09 L	A07J2		1-03 *	P					1			1	112
BUS D09 L	A06J2		1-04 *	P					2			1	112
BUS D09 L	A05J2		1-05 *						1			1	112
BUS D09 L	A04J2		1-06 *	P					1			1	112
BUS D09 L	A03J2		1-07 *	P					2			1-4/8	112
BUS D09 L	A01J2		1-08 *	P					2			1	112
BUS D09 L	A02J2		1-09 *						1			5-7/8	112
BUS D09 L	C02K2		1-10 *	P					1			1	112
BUS D09 L	C01K2		1-11 *	P					2			1-4/8	112
BUS D09 L	C03K2		1-12 *	P					2			1	112
BUS D09 L	C04K2		1-13 *	P					1			1	112
BUS D09 L	C05K2		1-14 *	P					2			1	112
BUS D09 L	C06K2		1-15 *	P					1			1	112
BUS D09 L	C07K2		1-16 *	P					2			1	112
BUS D09 L	C08K2		1-17 *	P					1				112
BUS D09 L	C09K2		1-18 *										112
BUS D09 L			1									22-7/8	112

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
												7-Jul-78	9100 PAGE 29	
BUS D10 L	A09J1		1-01 *	P						2		1		113
BUS D10 L	A08J1		1-02 *	P						1		1		113
BUS D10 L	A07J1		1-03 *	P						2		1		113
BUS D10 L	A06J1		1-04 *	P						1		1		113
BUS D10 L	A05J1		1-05 *							2		1		113
BUS D10 L	A04J1		1-06 *	P						2		1		113
BUS D10 L	A03J1		1-07 *	P						1		1-4/8		113
BUS D10 L	A01J1		1-08 *	P						1		1		113
BUS D10 L	A02J1		1-09 *							2		5-7/8		113
BUS D10 L	C02J2		1-10 *	P						2		1		113
BUS D10 L	C01J2		1-11 *	P						1		1-4/8		113
BUS D10 L	C03J2		1-12 *	P						1		1		113
BUS D10 L	C04J2		1-13 *	P						2		1		113
BUS D10 L	C05J2		1-14 *	P						1		1		113
BUS D10 L	C06J2		1-15 *	P						2		1		113
BUS D10 L	C07J2		1-16 *	P						1		1		113
BUS D10 L	C08J2		1-17 *	P						2		1		113
BUS D10 L	C09J2		1-18 *											113
BUS D10 L			1									22-7/8		113
BUS D11 L	A09K2		1-01 *	P						1		1		114
BUS D11 L	A08K2		1-02 *	P						2		1		114
BUS D11 L	A07K2		1-03 *	P						1		1		114
BUS D11 L	A06K2		1-04 *	P						2		1		114
BUS D11 L	A05K2		1-05 *							1		1		114
BUS D11 L	A04K2		1-06 *	P						1		1-4/8		114
BUS D11 L	A02K2		1-07 *	P						1		1		114
BUS D11 L	A01K2		1-08 *	P						2		1-4/8		114
BUS D11 L	A03K2		1-09 *							2		5-5/8		114
BUS D11 L	C03H1		1-10 *	P						2		1-4/8		114
BUS D11 L	C01H1		1-11 *	P						2		1		114
BUS D11 L	C02H1		1-12 *	P						1		1-4/8		114
BUS D11 L	C04H1		1-13 *	P						1		1		114
BUS D11 L	C05H1		1-14 *	P						2		1		114
BUS D11 L	C06H1		1-15 *	P						1		1		114
BUS D11 L	C07H1		1-16 *	P						2		1		114
BUS D11 L	C08H1		1-17 *	P						1		1		114
BUS D11 L	C09H1		1-18 *											114
BUS D11 L			1									23-5/8		114

Column header detail:

	A/P PIN	ORDER	BAY -	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC LENGTH	EXCEPTIONS	RUN
	NAME	PIN	ORDER		OPT							FLAG		NUMBER

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RUN NAME	A/P PIN NAME	ORDER PIN	BAY = ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
BUS D12 L	A09K1	1-01 *	P							1		1	115
BUS D12 L	A08K1	1-02 *	P							1		1	115
BUS D12 L	A07K1	1-03 *	P							2		1	115
BUS D12 L	A06K1	1-04 0	P							1		1	115
BUS D12 L	A05K1	1-05 *								2		1	115
BUS D12 L	A04K1	1-06 *	P							2		2	115
BUS D12 L	A01K1	1-07 *	P							1		1	115
BUS D12 L	A02K1	1-08 *	P							2		1	115
BUS D12 L	A03K1	1-09 *								1		5-5/8	115
BUS D12 L	C03H2	1-10 *	P							1		1-4/8	115
BUS D12 L	C01H2	1-11 *	P							1		1	115
BUS D12 L	C02H2	1-12 *	P							2		1-4/8	115
BUS D12 L	C04H2	1-13 *	P							2		1	115
BUS D12 L	C05H2	1-14 *	P							1		1	115
BUS D12 L	C06H2	1-15 *	P							2		1	115
BUS D12 L	C07H2	1-16 *	P							1		1	115
BUS D12 L	C08H2	1-17 *	P							2		1	115
BUS D12 L	C09H2	1-18 *											115
BUS D12 L		1										23-5/8	115
BUS D13 L	A09L2	1-01 *	P							1		1	116
BUS D13 L	A08L2	1-02 *	P							1		1	116
BUS D13 L	A07L2	1-03 *	P							2		1	116
BUS D13 L	A06L2	1-04 *	P							1		1	116
BUS D13 L	A05L2	1-05 *								2		1	116
BUS D13 L	A04L2	1-06 *	P							2		1-4/8	116
BUS D13 L	A02L2	1-07 *	P							2		1	116
BUS D13 L	A01L2	1-08 *	P							1		1-4/8	116
BUS D13 L	A03L2	1-09 *								1		5-2/8	116
BUS D13 L	C03F2	1-10 *	P							1		1-4/8	116
BUS D13 L	C01F2	1-11 *	P							1		1	115
BUS D13 L	C02F2	1-12 *	P							2		1-4/8	115
BUS D13 L	C04F2	1-13 *	P							2		1	116
BUS D13 L	C05F2	1-14 *	P							1		1	116
BUS D13 L	C06F2	1-15 *	P							2		1	116
BUS D13 L	C07F2	1-16 *	P							1		1	116
BUS D13 L	C08F2	1-17 *	P							2		1	116
BUS D13 L	C09F2	1-18 *											116
BUS D13 L		1										23-2/8	116

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
BUS D14 L	A09L1		1-01 *	P			1			1		117
BUS D14 L	A08L1		1-02 *	P			1			1		117
BUS D14 L	A07L1		1-03 *	P			2			1		117
BUS D14 L	A06L1		1-04 *	P			1			1		117
BUS D14 L	A05L1		1-05 *				2			1		117
BUS D14 L	A04L1		1-06 *	P			2			1-4/8		117
BUS D14 L	A02L1		1-07 *	P			2			1		117
BUS D14 L	A01L1		1-08 *	P			1			1-4/8		117
BUS D14 L	A03L1		1-09 *				1			5-1/8		117
BUS D14 L	C03E2		1-10 *	P			1			1-4/8		117
BUS D14 L	C01E2		1-11 *	P			1			1		117
BUS D14 L	C02E2		1-12 *	P			2			1-4/8		117
BUS D14 L	C04E2		1-13 *	P			2			1		117
BUS D14 L	C05E2		1-14 *	P			1			1		117
BUS D14 L	C06E2		1-15 *	P			2			1		117
BUS D14 L	C07E2		1-16 *	P			1			1		117
BUS D14 L	C08E2		1-17 *	P			2			1		117
BUS D14 L	C09E2		1-18 *									117
BUS D14 L			1							23-1/8		117
BUS D15 L	A09M2		1-01 *	P			1			1		118
BUS D15 L	A08M2		1-02 *	P			1			1		118
BUS D15 L	A07M2		1-03 *	P			2			1		118
BUS D15 L	A06M2		1-04 *	P			1			1		118
BUS D15 L	A05M2		1-05 *				2			1		118
BUS D15 L	A04M2		1-06 *	P			2			1		118
BUS D15 L	A03M2		1-07 *	P			1			1		118
BUS D15 L	A02M2		1-08 *	P			2			1		118
BUS D15 L	A01M2		1-09 *				1			4-7/8		118
BUS D15 L	C01D2		1-10 *				2			1		118
BUS D15 L	C02D2		1-11 *				1			1		118
BUS D15 L	C03D2		1-12 *				2			1		118
BUS D15 L	C04D2		1-13 *				1			1		118
BUS D15 L	C05D2		1-14 *				2			1		118
BUS D15 L	C06D2		1-15 *				1			1		118
BUS D15 L	C07D2		1-16 *				2			1		118
BUS D15 L	C08D2		1-17 *				1					118
BUS D15 L	C09D2		1-18 *									118
BUS D15 L			1							20-7/8		118
C BG IN	D03U2		1-01 *				1			3-7/8		119
C BG IN	F03B1		1-02 *									119
C BG IN			1							3-7/8		119
C BG OUT	D03V2		1-01 *				1			3-7/8		120
C BG OUT	F03A1		1-02 *									120
C BG OUT			1							3-7/8		120
C BR OUT	D03J2		1-01 *				1			6-5/8		121
C BR OUT	F03P1		1-02 *				2			1		121
C BR OUT	F03U2		1-03 *									121
C BR OUT			1							7-5/8		121
C IN	D03H1		1-01 *				1			3-4/8		122
C IN	E03M1		1-02 *									122
C IN			1							3-4/8		122

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
C INT A	D03N1		1-01 *						1			6-3/8		123
C INT A	F03U1		1-02 *											123
C INT A			1									6-3/8		123
C INT B	C03J1		1-01 *						1			8-5/8		124
C INT B	F03K2		1-02 *											124
C INT B			1									8-5/8		124
C INT ENB A	D03M1		1-01 *						1			6-5/8		125
C INT ENB A	F03V1		1-02 *											125
C INT ENB A			1									6-5/8		125
C INT ENB B	C03L1		1-01 *						1			8-1/8		126
C INT ENB B	F03H2		1-02 *											126
C INT ENB B			1									8-1/8		126
C OUT HIGP	D03K1		1-01 *						1			3-3/8		127
C OUT HIGP	E03M2		1-02 *											127
C OUT HIGP			1									3-3/8		127
C OUT LOW	D03D1		1-01 *						1			4		128
C OUT LOW	E03N1		1-02 *											128
C OUT LOW			1									4-0/8		128
C SEL 0	D03F1		1-01 *						1			4-1/8		129
C SEL 0	E03S2		1-02 *											129
C SEL 0			1									4-1/8		129
C SEL 4	D03E1		1-01 *						1			4-3/8		130
C SEL 4	E03R2		1-02 *											130
C SEL 4			1									4-3/8		130
C SEL 6	D03C1		1-01 *						1			4-4/8		131
C SEL 6	E03S1		1-02 *											131
C SEL 6			1									4-4/8		131
C SER 2	D03J1		1-01 *						1			4-1/8		132
C SER 2	E03T2		1-02 *											132
C SER 2			1									4-1/8		132
C SSYN IN H	D03V1		1-01 *						1			1		133
C SSYN IN H	E03B1		1-02 *											133
C SSYN IN H			1									1-0/8		133

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
C0 L		B01U2		1=01 *						1			1		134
C0 L		B02U2		1=02 *						2			1		134
C0 L		B03U2		1=03 *						1			1		134
C0 L		B04U2		1=04 *						2			1		134
C0 L		B05U2		1=05 *						1			1		134
C0 L		B06U2		1=06 *						2			1		134
C0 L		B07U2		1=07 *						1			1		134
C0 L		B08U2		1=08 *						2			1		134
C0 L		B09U2		1=09 *						1			7=1/8		134
C0 L		E09J2		1=10 *	P					1			1		134
C0 L		E08J2		1=11 *	P					2			1		134
C0 L		E07J2		1=12 *	P					1			1		134
C0 L		E06J2		1=13 *	P					2			1		134
C0 L		E05J2		1=14 *	P					1			1		134
C0 L		E04J2		1=15 *	P					2			1		134
C0 L		E03J2		1=16 *	P					1			1		134
C0 L		E02J2		1=17 *	P					2			1		134
C0 L		E01J2		1=18 *											134
C0 L				1									23=1/8		134
C1 L		B01T2		1=01 *						2			1		135
C1 L		B02T2		1=02 *						1			1		135
C1 L		B03T2		1=03 *						2			1		135
C1 L		B04T2		1=04 *						1			1		135
C1 L		B05T2		1=05 *						2			1		135
C1 L		B06T2		1=06 *						1			1		135
C1 L		B07T2		1=07 *						2			1		135
C1 L		B08T2		1=08 *						1			1		135
C1 L		B09T2		1=09 *						2			7		135
C1 L		E09F2		1=10 *	P					2			1		135
C1 L		E08F2		1=11 *	P					1			1		135
C1 L		E07F2		1=12 *	P					2			1		135
C1 L		E06F2		1=13 *	P					1			1		135
C1 L		E05F2		1=14 *	P					2			1		135
C1 L		E04F2		1=15 *	P					1			1		135
C1 L		E03F2		1=16 *	P					2			1		135
C1 L		E02F2		1=17 *	P					1			1		135
C1 L		E01F2		1=18 *											135
C1 L				1									23=0/8		135
D BG IN		D04U2		1=01 *						1			3=7/8		136
D BG IN		F04B1		1=02 *											136
D BG IN				1									3=7/8		136
D BG OUT		D04V2		1=01 *						1			3=7/8		137
D BG OUT		F04A1		1=02 *											137
D BG OUT				1									3=7/8		137
D BR OUT		D04J2		1=01 *						1			6=5/8		138
D BR OUT		F04P1		1=02 *						2			1		138
D BR OUT		F04U2		1=03 *											138
D BR OUT				1									7=5/8		138
D IN		D04H1		1=01 *						1			3=4/8		139
D IN		E04M1		1=02 *											139
D IN				1									3=4/8		139

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	RUN NUMBER
D INT A		D04N1		1-01 *						1			6-3/8	140
D INT A		F04U1		1-02 *										140
D INT A				1									6-3/8	140
D INT B		C04J1		1-01 *						1			8-5/8	141
D INT B		F04K2		1-02 *										141
D INT B				1									8-5/8	141
D INT ENB A		D04M1		1-01 *						1			6-5/8	142
D INT ENB A		F04V1		1-02 *										142
D INT ENB A				1									6-5/8	142
D INT ENB B		C04L1		1-01 *						1			8-1/8	143
D INT ENB B		F04H2		1-02 *										143
D INT ENB B				1									8-1/8	143
D OUT HIGP		D04K1		1-01 *						1			3-3/8	144
D OUT HIGP		E04M2		1-02 *										144
D OUT HIGP				1									3-3/8	144
D OUT LOW		D04D1		1-01 *						1			4	145
D OUT LOW		E04N1		1-02 *										145
D OUT LOW				1									4-0/8	145
D SEL 0		D04F1		1-01 *						1			4-1/8	146
D SEL 0		E04S2		1-02 *										146
D SEL 0				1									4-1/8	146
D SEL 4		D04E1		1-01 *						1			4-3/8	147
D SEL 4		E04R2		1-02 *										147
D SEL 4				1									4-3/8	147
D SEL 6		D04C1		1-01 *						1			4-4/8	148
D SEL 6		E04S1		1-02 *										148
D SEL 6				1									4-4/8	148
D SER 2		D04J1		1-01 *						1			4-1/8	149
D SER 2		E04T2		1-02 *										149
D SER 2				1									4-1/8	149
D SSYN IN H		D04V1		1-01 *						1			1	150
D SSYN IN H		E04B1		1-02 *										150
D SSYN IN H				1									1-0/8	150

RUN NAME	A/P PIN NAME	ORDER PIN	BAY-ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
DC L	B01F2		1-01	*	P					2		1		151
DC L	B02F2		1-02	*	P					1		1		151
DC L	B03F2		1-03	*	P					2		1		151
DC L	B04F2		1-04	*						1		1		151
DC L	B05F2		1-05	*	P					1		1		151
DC L	B06F2		1-06	*	P					2		1		151
DC L	B07F2		1-07	*	P					1		1		151
DC L	B08F2		1-08	*	P					2		1		151
DC L	B09F2		1-09	*						1		3-7/8		151
DC L	C09N1		1-10		P					2		1		151
DC L	C08N1		1-11	*	P					1		1		151
DC L	C07N1		1-12	*	P					2		1		151
DC L	C06N1		1-13	*	P					1		1		151
DC L	C05N1		1-14	*	P					2		1		151
DC L	C04N1		1-15	*	P					1		1		151
DC L	C03N1		1-16	*	P					2		1		151
DC L	C02N1		1-17	*	P					1		1		151
DC L	C01N1		1-18	*										151
DC L			1									19-7/8		151
E BG IN	D05U2		1-01	*						1		3-7/8		152
E BG IN	F05B1		1-02	*										152
E BG IN			1									3-7/8		152
E BG OUT	D05V2		1-01	*						1		3-7/8		153
E BG OUT	F05A1		1-02	*										153
E BG OUT			1									3-7/8		153
E BR OUT	D05J2		1-01	*						1		6-5/8		154
E BR OUT	F05P1		1-02	*						2		1		154
E BR OUT	F05U2		1-03	*										154
E BR OUT			1									7-5/8		154
E IN	D05H1		1-01	*						1		3-4/8		155
E IN	E05M1		1-02	*										155
E IN			1									3-4/8		155
E INT A	D05N1		1-01	*						1		6-3/8		156
E INT A	F05U1		1-02	*										156
E INT A			1									6-3/8		156
E INT B	C05J1		1-01	*						1		8-5/8		157
E INT B	F05K2		1-02	*										157
E INT B			1									8-5/8		157
E INT ENB A	D05M1		1-01	*						1		6-5/8		158
E INT ENB A	F05V1		1-02	*										158
E INT ENB A			1									6-5/8		158
E INT ENB B	C05L1		1-01	*						1		8-1/8		159
E INT ENB B	F05H2		1-02	*										159
E INT ENB B			1									8-1/8		159
E OUT HIGP	D05K1		1-01	*						1		3-3/8		160
E OUT HIGP	E05M2		1-02	*										160
E OUT HIGP			1									3-3/8		160

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
E OUT LOW	D05D1		1-01 *						1				4		161
E OUT LOW	E05N1		1-02 *												161
E OUT LOW			1										4-0/8		161
E SEL 0	D05F1		1-01 *						1				4-1/8		162
E SEL 0	E05S2		1-02 *												162
E SEL 0			1										4-1/8		162
E SEL 4	D05E1		1-01 *						1				4-3/8		163
E SEL 4	E05R2		1-02 *												163
E SEL 4			1										4-3/8		163
E SEL 6	D05C1		1-01 *						1				4-4/8		164
E SEL 6	E05S1		1-02 *												164
E SEL 6			1										4-4/8		164
E SER 2	D05J1		1-01 *						1				4-1/8		165
E SER 2	E05T2		1-02 *												165
E SER 2			1										4-1/8		165
E SSYN IN H	D05V1		1-01 *						1				1		166
E SSYN IN H	E05B1		1-02 *												166
E SSYN IN H			1										1-0/8		166
F BG IN	D06U2		1-01 *						1				3-7/8		167
F BG IN	F06B1		1-02 *												167
F BG IN			1										3-7/8		167
F BG OUT	D06V2		1-01 *						1				3-7/8		168
F BG OUT	F06A1		1-02 *												168
F BG OUT			1										3-7/8		168
F BR OUT	D06J2		1-01 *						1				6-5/8		169
F BR OUT	F06P1		1-02 *						2				1		169
F BR OUT	F06U2		1-03 *												169
F BR OUT			1										7-5/8		169
F IN	D06H1		1-01 *						1				3-4/8		170
F IN	E06M1		1-02 *												170
F IN			1										3-4/8		170
F INT A	D06N1		1-01 *						1				6-3/8		171
F INT A	F06U1		1-02 *												171
F INT A			1										6-3/8		171
F INT B	C06J1		1-01 *						1				8-5/8		172
F INT B	F06K2		1-02 *												172
F INT B			1										8-5/8		172
F INT ENB A	D06M1		1-01 *						1				6-5/8		173
F INT ENB A	F06V1		1-02 *												173
F INT ENB A			1										6-5/8		173

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
F INT ENB B	C06L1		1-01 *						1			8-1/8		174
F INT ENB B	F06H2		1-02 *											174
F INT ENB B			1									8-1/8		174
F OUT HIGP	D06K1		1-01 *						1			3-3/8		175
F OUT HIGP	E06M2		1-02 *											175
F OUT HIGP			1									3-3/8		175
F OUT LOW	D06D1		1-01 *						1			4		176
F OUT LOW	E06N1		1-02 *											176
F OUT LOW			1									4-0/8		176
F SEL 0	D06F1		1-01 *						1			4-1/8		177
F SEL 0	E06S2		1-02 *											177
F SEL 0			1									4-1/8		177
F SEL 4	D06E1		1-01 *						1			4-3/8		178
F SEL 4	E06R2		1-02 *											178
F SEL 4			1									4-3/8		178
F SEL 6	D06C1		1-01 *						1			4-4/8		179
F SEL 6	E06S1		1-02 *											179
F SEL 6			1									4-4/8		179
F SER 2	D06J1		1-01 *						1			4-1/8		180
F SER 2	E06T2		1-02 *											180
F SER 2			1									4-1/6		180
F SSYN IN H	D06V1		1-01 *						1			1		181
F SSYN IN H	E06B1		1-02 *											181
F SSYN IN H			1									1-0/8		181
F01D2	F01D2		1-01 *						2			1-6/8		182
F01D2	F01R2		1-02 *						1			0-4/8		182
F01D2	F01N1		1-03 *											182
F01D2			1									2-2/8		182
F01E1	F01F1		1-01 *						1			2-3/8		183
F01E1	F01V2		1-02 *											183
F01E1			1									2-3/8		183
F01L2	F01L2		1-01 *						1			1		184
F01L2	F01R1		1-02 *											184
F01L2			1									1-0/8		184
F01M2	F01M2		1-01 *						1			1		185
F01M2	F01S1		1-02 *											185
F01M2			1									1-0/8		185
F01P2	F01P2		1-01 *						1			0-4/8		186
F01P2	F01S2		1-02 *											186
F01P2			1									0-4/8		186

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
F02D2	F02D2		1-01 *					2		1-6/8		187
F02D2	F02R2		1-02 *					1		0-4/8		187
F02D2	F02N1		1-03 *									187
F02D2			1							2-2/8		187
F02E1	F02E1		1-01 *					1		2-3/8		188
F02E1	F02V2		1-02 *									188
F02E1			1							2-3/8		188
F02L2	F02L2		1-01 *					1		1		189
F02L2	F02R1		1-02 *									189
F02L2			1							1-0/8		189
F02M2	F02M2		1-01 *					1		1		190
F02M2	F02S1		1-02 *									190
F02M2			1							1-0/8		190
F02P2	F02P2		1-01 *					1		0-4/8		191
F02P2	F02S2		1-02 *									191
F02P2			1							0-4/8		191
F03D2	F03D2		1-01 *					2		1-6/8		192
F03D2	F03R2		1-02 *					1		0-4/8		192
F03D2	F03N1		1-03 *									192
F03D2			1							2-2/8		192
F03E1	F03E1		1-01 *					1		2-3/8		193
F03E1	F03V2		1-02 *									193
F03E1			1							2-3/8		193
F03L2	F03L2		1-01 *					1		1		194
F03L2	F03R1		1-02 *									194
F03L2			1							1-0/8		194
F03M2	F03M2		1-01 *					1		1		195
F03M2	F03S1		1-02 *									195
F03M2			1							1-0/8		195
F03P2	F03P2		1-01 *					1		0-4/8		196
F03P2	F03S2		1-02 *									196
F03P2			1							0-4/8		196
F04D2	F04D2		1-01 *					2		1-6/8		197
F04D2	F04R2		1-02 *					1		0-4/8		197
F04D2	F04N1		1-03 *									197
F04D2			1							2-2/8		197
F04E1	F04E1		1-01 *					1		2-3/8		198
F04E1	F04V2		1-02 *									198
F04E1			1							2-3/8		198
F04L2	F04L2		1-01 *					1		1		199
F04L2	F04R1		1-02 *									199
F04L2			1							1-0/8		199

RUN NAME	A/P PIN NAME	ORDER PIN	BAY • ORDER	Q	DRAW OPT	RV RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
F04M2	F04M2		1-01 *						1		1		200
F04M2	F04S1		1-02 *										200
F04M2			1								1-0/8		200
F04P2	F04P2		1-01 *						1		0-4/8		201
F04P2	F04S2		1-02 *										201
F04P2			1								0-4/8		201
F05D2	F05D2		1-01 *						2		1-6/8		202
F05D2	F05R2		1-02 *						1		0-4/8		202
F05D2	F05N1		1-03 *										202
F05D2			1								2-2/8		202
F05E1	F05E1		1-01 *						1		2-3/8		203
F05E1	F05V2		1-02 *										203
F05E1			1								2-3/8		203
F05L2	F05L2		1-01 *						1		1		204
F05L2	F05R1		1-02 *										204
F05L2			1								1-0/8		204
F05M2	F05M2		1-01 *						1		1		205
F05M2	F05S1		1-02 *										205
F05M2			1								1-0/8		205
F05P2	F05P2		1-01 *						1		0-4/8		206
F05P2	F05S2		1-02 *										206
F05P2			1								0-4/8		206
F06D2	F06D2		1-01 *						2		1-6/8		207
F06D2	F06R2		1-02 *						1		0-4/8		207
F06D2	F06N1		1-03 *										207
F06D2			1								2-2/8		207
F06E1	F06E1		1-01 *						1		2-3/8		208
F06E1	F06V2		1-02 *										208
F06E1			1								2-3/8		208
F06L2	F06L2		1-01 *						1		1		209
F06L2	F06R1		1-02 *										209
F06L2			1								1-0/8		209
F06M2	F06M2		1-01 *						1		1		210
F06M2	F06S1		1-02 *										210
F06M2			1								1-0/8		210
F06P2	F06P2		1-01 *						1		0-4/8		211
F06P2	F06S2		1-02 *										211
F06P2			1								0-4/8		211
F07D2	F07D2		1-01 *						2		1-6/8		212
F07D2	F07R2		1-02 *						1		0-4/8		212
F07D2	F07N1		1-03 *										212
F07D2			1								2-2/8		212

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
F07E1	F07E1	1-01 *						1		2-3/8	213
F07E1	F07V2	1-02 *									213
F07E1		1								2-3/8	213
F07L2	F07L2	1-01 *						1		1	214
F07L2	F07R1	1-02 *									214
F07L2		1								1-0/8	214
F07M2	F07M2	1-01 *						1		1	215
F07M2	F07S1	1-02 *									215
F07M2		1								1-0/8	215
F07P2	F07P2	1-01 *						1		0-4/8	216
F07P2	F07S2	1-02 *									216
F07P2		1								0-4/8	216
F08D2	F08D2	1-01 *						2		1-6/8	217
F08D2	F08R2	1-02 *						1		0-4/8	217
F08D2	F08N1	1-03 *									217
F08D2		1								2-2/8	217
F08E1	F08E1	1-01 *						1		2-3/8	218
F08E1	F08V2	1-02 *									218
F08E1		1								2-3/8	218
F08L2	F08L2	1-01 *						1		1	219
F08L2	F08R1	1-02 *									219
F08L2		1								1-0/8	219
F08M2	F08M2	1-01 *						1		1	220
F08M2	F08S1	1-02 *									220
F08M2		1								1-0/8	220
F08P2	F08P2	1-01 *						1		0-4/8	221
F08P2	F08S2	1-02 *									221
F08P2		1								0-4/8	221
F09D2	F09D2	1-01 *						2		1-6/8	222
F09D2	F09R2	1-02 *						1		0-4/8	222
F09D2	F09N1	1-03 *									222
F09D2		1								2-2/8	222
F09E1	F09E1	1-01 *						1		2-3/8	223
F09E1	F09V2	1-02 *									223
F09E1		1								2-3/8	223
F09L2	F09L2	1-01 *						1		1	224
F09L2	F09R1	1-02 *									224
F09L2		1								1-0/8	224
F09M2	F09M2	1-01 *						1		1	225
F09M2	F09S1	1-02 *									225
F09M2		1								1-0/8	225

RUN NAME	A/P PIN NAME	ORDER PIN	BAY = ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER
F09P2	F09P2		1=01 *							1			0=4/8		226
F09P2	F09S2		1=02 *												226
F09P2			1										0=4/8		226
GND (01)	A01C2		1=01 *	P						1		1			227
GND (01)	A02C2		1=02 *	P						2		1			227
GND (01)	A03C2		1=03 *	P						1		1			227
GND (01)	A04C2		1=04 *	P						2		1			227
GND (01)	A05C2		1=05 *	P						1		1			227
GND (01)	A06C2		1=06 *	P						2		1			227
GND (01)	A07C2		1=07 *	P						1		1			227
GND (01)	A08C2		1=08 *	P						2		1			227
GND (01)	A09C2		1=09 *	P						1		2=1/8			227
GND (01)	A09T1		1=10 *	P						2		1			227
GND (01)	A08T1		1=11 *	P						1		1			227
GND (01)	A07T1		1=12 *	P						2		1			227
GND (01)	A06T1		1=13 *	P						1		1			227
GND (01)	A05T1		1=14 *	P						1		1			227
GND (01)	A04T1		1=15 *	P						1		1			227
GND (01)	A03T1		1=16 *	P						2		1			227
GND (01)	A02T1		1=17 *	P						1		1			227
GND (01)	A01T1		1=18 *	P						2		1=5/8			227
GND (01)	B01C2		1=19 *	P						1		1			227
GND (01)	B02C2		1=20 *	P						2		1			227
GND (01)	B03C2		1=21 *	P						1		1			227
GND (01)	B04C2		1=22 *	P						2		1			227
GND (01)	B05C2		1=23 *	P						1		1			227
GND (01)	B06C2		1=24 *	P						2		1			227
GND (01)	B07C2		1=25 *	P						1		1			227
GND (01)	B08C2		1=26 *	P						2		1			227
GND (01)	B09C2		1=27 *	P						1		2=1/8			327
GND (01)	B09T1		1=28 *	P						2		1			227
GND (01)	B08T1		1=29 *	P						1		1			227
GND (01)	B07T1		1=30 *	P						2		1			227
GND (01)	B06T1		1=31 *	P						1		1			227
GND (01)	B05T1		1=32 *	P						2		1			227
GND (01)	B04T1		1=33 *	P						1		1			227
GND (01)	B03T1		1=34 *	P						2		1			227
GND (01)	B02T1		1=35 *	P						1		1			227
GND (01)	B01T1		1=36 *	P						2		1=3/8			227
GND (01)	C01C2		1=37 *	P						1		1			227
GND (01)	C02C2		1=38 *	P						2		1			227
GND (01)	C03C2		1=39 *	P						1		1			227
GND (01)	C04C2		1=40 *	P						2		1			227
GND (01)	C05C2		1=41 *	P						1		1			227
GND (01)	C06C2		1=42 *	P						2		1			227
GND (01)	C07C2		1=43 *	P						1		1			227
GND (01)	C08C2		1=44 *	P						2		1			227
GND (01)	C09C2		1=45 *	P						1		2=1/8			227
GND (01)	C09T1		1=46 *	P						2		1			227
GND (01)	C08T1		1=47 *	P						1		1			227
GND (01)	C07T1		1=48 *	P						2		1			227
GND (01)	C06T1		1=49 *	P						1		1			227
GND (01)	C05T1		1=50 *	P						2		1			227
GND (01)	C04T1		1=51 *	P						1		1			227
GND (01)	C03T1		1=52 *	P						2		1			227

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
GND (01)	C02T1		1-53 *	P				1			1	227
GND (01)	C01T1		1-54 *	X								227
GND (01)			1								57-3/8	227
GND (02)	D01C2		1-01 *	P				1			1	228
GND (02)	D02C2		1-02 *	P				2			1	228
GND (02)	D03C2		1-03 *	P				1			1	228
GND (02)	D04C2		1-04 *	P				2			1	228
GND (02)	D05C2		1-05 *	P				1			1	228
GND (02)	D06C2		1-06 *	P				2			1	228
GND (02)	D07C2		1-07 *	P				1			1	228
GND (02)	D08C2		1-08 *	P				2			1	228
GND (02)	D09C2		1-09 *	P				1			2-1/8	228
GND (02)	D09T1		1-10 *	P				2			1	228
GND (02)	D08T1		1-11 *	P				1			1	228
GND (02)	D07T1		1-12 *	P				2			1	228
GND (02)	D06T1		1-13 *	P				1			1	228
GND (02)	D05T1		1-14 *	P				2			1	228
GND (02)	D04T1		1-15 *	P				1			1	228
GND (02)	D03T1		1-16 *	P				2			1	228
GND (02)	D02T1		1-17 *	P				1			1	228
GND (02)	D01T1		1-18 *	P				2			1-3/8	228
GND (02)	E01C2		1-19 *	P				1			1	228
GND (02)	E02C2		1-20 *	P				2			1	228
GND (02)	E03C2		1-21 *	P				1			1	228
GND (02)	E04C2		1-22 *	P				2			1	228
GND (02)	E05C2		1-23 *	P				1			1	228
GND (02)	E06C2		1-24 *	P				2			1	228
GND (02)	E07C2		1-25 *	P				1			1	228
GND (02)	E08C2		1-26 *	P				2			1	228
GND (02)	E09C2		1-27 *	P				1			2-1/8	228
GND (02)	E09T1		1-28 *	P				2			1	228
GND (02)	E08T1		1-29 *	P				1			1	229
GND (02)	E07T1		1-30 *	P				2			1	228
GND (02)	E06T1		1-31 *	P				1			1	228
GND (02)	E05T1		1-32 *	P				2			1	228
GND (02)	E04T1		1-33 *	P				1			1	228
GND (02)	E03T1		1-34 *	P				2			1	228
GND (02)	E02T1		1-35 *	P				1			1	228
GND (02)	E01T1		1-36 *	P				2			1-5/8	228
GND (02)	F01C2		1-37 *	P				1			1	228
GND (02)	F02C2		1-38 *	P				2			1	228
GND (02)	F03C2		1-39 *	P				1			1	228
GND (02)	F04C2		1-40 *	P				2			1	228
GND (02)	F05C2		1-41 *	P				1			1	228
GND (02)	F06C2		1-42 *	P				2			1	228
GND (02)	F07C2		1-43 *	P				1			1	228
GND (02)	F08C2		1-44 *	P				2			1	228
GND (02)	F09C2		1-45 *	P				1			2-1/8	228
GND (02)	F09T1		1-46 *	P				2			1	228
GND (02)	F08T1		1-47 *	P				1			1	228
GND (02)	F07T1		1-48 *	P				2			1	228
GND (02)	F06T1		1-49 *	P				1			1	228
GND (02)	F05T1		1-50 *	P				2			1	228
GND (02)	F04T1		1-51 *	P				1			1	228
GND (02)	F03T1		1-52 *	P				2			1	228

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
GND (02)	F02T1		1-53 *	P					1			1	228
GND (02)	F01T1		1-54 *	X									228
GND (02)			1									57-3/8	228
GND (03)	B09V2		1-01 *	P				2				2-3/8	229
GND (03)	B09E1		1-02 *	P				1				0-1/8	229
GND (03)	B09D1		1-03 *	P				2				0-4/8	229
GND (03)	B09B2		1-04 *	P				1				1-2/8	229
GND (03)	A09V2		1-05 *	P				2				0-5/8	229
GND (03)	A09S1		1-06 *	P				1				0-1/8	229
GND (03)	A09R1		1-07 *	P				2				0-1/8	229
GND (03)	A09P1		1-08 *	P				1				0-1/8	229
GND (03)	A09N1		1-09 *	P				2				1-7/8	229
GND (03)	A09B2		1-10 *	P				1				4-4/8	229
GND (03)	A01B2		1-11 *	P				2				1-7/8	229
GND (03)	A01N1		1-12 *	P				1				0-1/8	229
GND (03)	A01P1		1-13 *	P				2				0-1/8	229
GND (03)	A01R1		1-14 *	P				1				0-1/8	229
GND (03)	A01S1		1-15 *	P				2				0-5/8	229
GND (03)	A01V2		1-16 *	P				1				1-2/8	229
GND (03)	B01B2		1-17 *	P				2				0-4/8	229
GND (03)	B01D1		1-18 *	P				1				0-1/8	229
GND (03)	B01E1		1-19 *	P				2				2-3/8	229
GND (03)	B01V2		1-20 *	P				1				6-3/8	229
GND (03)	E01A1		1-21 *	P				2				1	229
GND (03)	E02A1		1-22 *	P				1				1	229
GND (03)	E03A1		1-23 *	P				2				1	229
GND (03)	E04A1		1-24 *	P				1				1	229
GND (03)	E05A1		1-25 *	P				2				1	229
GND (03)	E06A1		1-26 *	P				1				1	229
GND (03)	E07A1		1-27 *	P				2				1	229
GND (03)	E08A1		1-28 *	P				1				1	229
GND (03)	E09A1		1-29 *	P				2				4-3/8	229
GND (03)	F09J2		1-30 *	P				1				1	229
GND (03)	F08J2		1-31 *	P				2				1	229
GND (03)	F07J2		1-32 *	P				1				1	229
GND (03)	F06J2		1-33 *	P				2				1	229
GND (03)	F05J2		1-34 *	P				1				1	229
GND (03)	F04J2		1-35 *	P				2				1	229
GND (03)	F03J2		1-36 *	P				1				1	229
GND (03)	F02J2		1-37 *	P				2				1	229
GND (03)	F01J2		1-38 *	X									229
GND (03)			1									45-4/8	229
H BG IN	D07U2		1-01 *						1			3-7/8	230
H BG IN	F07B1		1-02 *										230
H BG IN			1									3-7/8	230
H BG OUT	D07V2		1-01 *						1			3-7/8	231
H BG OUT	F07A1		1-02 *										231
H BG OUT			1									3-7/8	231
H BR OUT	D07J2		1-01 *						1			6-5/8	232
H BR OUT	F07P1		1-02 *						2			1	232
H BR OUT	F07U2		1-03 *										232
H BR OUT			1									7-5/8	232

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
H IN	D07H1		1-01 *						1			3-4/8		233
H IN	E07M1		1-02 *											233
H IN			1									3-4/8		233
H INT A	D07N1		1-01 *						1			6-3/8		234
H INT A	F07U1		1-02 *											234
H INT A			1									6-3/8		234
H INT B	C07J1		1-01 *						1			8-5/8		235
H INT B	F07K2		1-02 *											235
H INT B			1									8-5/8		235
H INT ENB A	D07M1		1-01 *						1			6-5/8		236
H INT ENB A	F07V1		1-02 *											236
H INT ENB A			1									6-5/8		236
H INT ENB B	C07L1		1-01 *						1			8-1/8		237
H INT ENB B	F07H2		1-02 *											237
H INT ENB B			1									8-1/8		237
H OUT HIGP	D07K1		1-01 *						1			3-3/8		238
H OUT HIGP	E07M2		1-02 *											238
H OUT HIGP			1									3-3/8		238
H OUT LOW	D07D1		1-01 *						1			4		239
H OUT LOW	E07N1		1-02 *											239
H OUT LOW			1									4-0/8		239
H SEL 0	D07F1		1-01 *						1			4-1/8		240
H SEL 0	E07S2		1-02 *											240
H SEL 0			1									4-1/8		240
H SEL 4	D07E1		1-01 *						1			4-3/8		241
H SEL 4	E07R2		1-02 *											241
H SEL 4			1									4-3/8		241
H SEL 6	D07C1		1-01 *						1			4-4/8		242
H SEL 6	E07S1		1-02 *											242
H SEL 6			1									4-4/8		242
H SER 2	D07J1		1-01 *						1			4-1/8		243
H SER 2	E07T2		1-02 *											243
H SER 2			1									4-1/8		243
H SSYN IN H	D07V1		1-01 *						1			1		244
H SSYN IN H	E07B1		1-02 *											244
H SSYN IN H			1									1-0/8		244

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
HALT GRANT	C01R1	1-01	*	P						2		1		245
HALT GRANT	C02R1	1-02	*	P						1		1		245
HALT GRANT	C03R1	1-03	*	P						2		1		245
HALT GRANT	C04R1	1-04	*	P						1		1		245
HALT GRANT	C05R1	1-05	*	P						2		1		245
HALT GRANT	C06R1	1-06	*	P						1		1		245
HALT GRANT	C07R1	1-07	*	P						2		1		245
HALT GRANT	C08R1	1-08	*	P						1		1		245
HALT GRANT	C09R1	1-09	*	X										245
HALT GRANT		1										8-0/8		245
HALT REQ	C01P1	1-01	*	P						2		1		246
HALT REQ	C02P1	1-02	*	P						1		1		246
HALT REQ	C03P1	1-03	*	P						2		1		246
HALT REQ	C04P1	1-04	*	P						1		1		246
HALT REQ	C05P1	1-05	*	P						2		1		246
HALT REQ	C06P1	1-06	*	P						1		1		246
HALT REQ	C07P1	1-07	*	P						2		1		246
HALT REQ	C08P1	1-08	*	P						1		1		246
HALT REQ	C09P1	1-09	*	X										246
HALT REQ		1										8-0/8		246
INIT L	A01A1	1-01	*	P						1		1		247
INIT L	A02A1	1-02	*	P						2		1		247
INIT L	A03A1	1-03	*	P						1		1		247
INIT L	A04A1	1-04	*							2		1		247
INIT L	A05A1	1-05	*	P						2		1		247
INIT L	A06A1	1-06	*	P						1		1		247
INIT L	A07A1	1-07	*	P						2		1		247
INIT L	A08A1	1-08	*	P						1		1		247
INIT L	A09A1	1-09	*	H						2	TW PR	9-5/8		247
INIT L	D09L1	1-10	*	P						1		1		247
INIT L	D08L1	1-11	*	P						2		1		247
INIT L	D07L1	1-12	*	P						1		1		247
INIT L	D06L1	1-13	*	P						2		1		247
INIT L	D05L1	1-14	*	P						1		1		247
INIT L	D04L1	1-15	*	P						2		1		247
INIT L	D03L1	1-16	*	P						1		1		247
INIT L	D02L1	1-17	*	P						2		1		247
INIT L	D01L1	1-18	*											247
INIT L		1										25-5/8		247
INT SSYN	B02E1	1-01	*	P						2		1		248
INT SSYN	B03E1	1-02	*	P						1		1		248
INT SSYN	B04E1	1-03	*	P						2		1		248
INT SSYN	B05E1	1-04	*	P						1		1		248
INT SSYN	B06E1	1-05	*	P						2		1		248
INT SSYN	B07E1	1-06	*	P						1		1		248
INT SSYN	B08E1	1-07	*	X										248
INT SSYN		1										6-0/8		248

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
INTR L		A09B1		1-01 *	P				1		1	249
INTR L		A08B1		1-02 *	P				2		1	249
INTR L		A07B1		1-03 *	P				1		1	249
INTR L		A06B1		1-04 *	P				2		1	249
INTR L		A05B1		1-05 *					1		1	249
INTR L		A04B1		1-06 *	P				1		1-4/8	249
INTR L		A02B1		1-07 *	F				1		1	249
INTR L		A01B1		1-08 *	P				2		1-4/8	249
INTR L		A03B1		1-09 *					2		14-7/8	249
INTR L		F03M1		1-10 *	P				2		1-4/8	249
INTR L		F01M1		1-11 *	P				2		1	249
INTR L		F02M1		1-12 *	P				1		1-4/8	249
INTR L		F04M1		1-13 *					1		1	249
INTR L		F05M1		1-14 *	P				2		1	249
INTR L		F06M1		1-15 *	P				1		1	249
INTR L		F07M1		1-16 *	P				2		1	249
INTR L		F08M1		1-17 *	P				1		1	249
INTR L		F09M1		1-18 *								249
INTR L				1							32-7/8	249
J A IN		D08H1		1-01 *					1		3-4/8	250
J A IN		E08M1		1-02 *								250
J A IN				1							3-4/8	250
J BG IN		D08U2		1-01 *					1		3-7/8	251
J BG IN		F08B1		1-02 *								251
J BG IN				1							3-7/8	251
J BG OUT		D08V2		1-01 *					1		3-7/8	252
J BG OUT		F08A1		1-02 *								252
J BG OUT				1							3-7/8	252
J BR OUT		D08J2		1-01 *					1		6-5/8	253
J BR OUT		F08P1		1-02 *					2		1	253
J BR OUT		F08U2		1-03 *								253
J BR OUT				1							7-5/8	253
J INT A		D08N1		1-01 *					1		6-3/8	254
J INT A		F08U1		1-02 *								254
J INT A				1							6-3/8	254
J INT B		C08J1		1-01 *					1		8-5/8	255
J INT B		F08K2		1-02 *								255
J INT B				1							8-5/8	255
J INT ENB A		D08M1		1-01 *					1		6-5/8	256
J INT ENB A		F08V1		1-02 *								256
J INT ENB A				1							6-5/8	256
J INT ENB B		C08L1		1-01 *					1		8-1/8	257
J INT ENB B		F08H2		1-02 *								257
J INT ENB B				1							8-1/8	257
J OUT HIGP		D08K1		1-01 *					1		3-3/8	258
J OUT HIGP		E08M2		1-02 *								258
J OUT HIGP				1							3-3/8	258

RUN NAME	A/P PIN NAME	ORDER PIN	BAY = ORDER	Q	DRAW	OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
J OUT LOW	D08D1	1=01 *								1			4		259
J OUT LOW	E08N1	1=02 *													259
J OUT LOW		1											4=0/8		259
J SEL 0	D08F1	1=01 *								1			4=1/8		260
J SEL 0	E08S2	1=02 *													260
J SEL 0		1											4=1/8		260
J SEL 4	D08E1	1=01 *								1			4=3/8		261
J SEL 4	E08R2	1=02 *													261
J SEL 4		1											4=3/8		261
J SEL 6	D08C1	1=01 *								1			4=4/8		262
J SEL 6	E08S1	1=02 *													262
J SEL 6		1											4=4/8		262
J SER 2	D08J1	1=01 *								1			4=1/8		263
J SER 2	E08T2	1=02 *													263
J SER 2		1											4=1/8		263
J SSYN IN H	D08V1	1=01 *								1			1		264
J SSYN IN H	E08B1	1=02 *													264
J SSYN IN H		1											1=0/8		264
K A IN	D09H1	1=01 *								1			3=4/8		265
K A IN	E09M1	1=02 *													265
K A IN		1											3=4/8		265
K BG IN	D09U2	1=01 *								1			3=7/8		266
K BG IN	F09B1	1=02 *													266
K BG IN		1											3=7/8		266
K BG OUT	D09V2	1=01 *								1			3=7/8		267
K BG OUT	F09A1	1=02 *													267
K BG OUT		1											3=7/8		267
K BR OUT	D09J2	1=01 *								1			6=5/8		268
K BR OUT	F09P1	1=02 *								2			1		268
K BR OUT	F09U2	1=03 *													268
K BR OUT		1											7=5/8		268
K INT A	D09N1	1=01 *								1			6=3/8		269
K INT A	F09U1	1=02 *													269
K INT A		1											6=3/8		269
K INT B	C09J1	1=01 *								1			8=5/8		270
K INT B	F09K2	1=02 *													270
K INT B		1											8=5/8		270
K INT ENB A	D09M1	1=01 *								1			6=5/8		271
K INT ENB A	F09V1	1=02 *													271
K INT ENB A		1											6=5/8		271

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
K INT ENB B		C09L1		1-01 *							1		8-1/8		272
K INT ENB B		F09H2		1-02 *											272
K INT ENB B				1									8-1/8		272
K OUT HIGP		D09K1		1-01 *							1		3-3/8		273
K OUT HIGP		E09M2		1-02 *											273
K OUT HIGP				1									3-3/8		273
K OUT LOW		D09D1		1-01 *							1		4		274
K OUT LOW		E09N1		1-02 *											274
K OUT LOW				1									4-0/8		274
K SEL 0		D09F1		1-01 *							1		4-1/8		275
K SEL 0		E09S2		1-02 *											275
K SEL 0				1									4-1/8		275
K SEL 4		D09E1		1-01 *							1		4-3/8		276
K SEL 4		E09R2		1-02 *											276
K SEL 4				1									4-3/8		276
K SEL 6		D09C1		1-01 *							1		4-4/8		277
K SEL 6		E09S1		1-02 *											277
K SEL 6				1									4-4/8		277
K SER 2		D09J1		1-01 *							1		4-1/8		278
K SER 2		E09T2		1-02 *											278
K SER 2				1									4-1/8		278
K SSYN IN H		D09V1		1-01 *							1		1		279
K SSYN IN H		E09B1		1-02 *											279
K SSYN IN H				1									1-0/8		279
LTC		C01D1		1-01 *	P						2		1		280
LTC		C02D1		1-02 *	P						1		1		280
LTC		C03D1		1-03 *	P						2		1		280
LTC		C04D1		1-04 *	P						1		1		280
LTC		C05D1		1-05 *	P						2		1		280
LTC		C06D1		1-06 *	P						1		1		280
LTC		C07D1		1-07 *	P						2		1		280
LTC		C08D1		1-08 *	P						1		1		280
LTC		C09D1		1-09 *	X										280
LTC				1									8-0/8		280
MSYN L (1)		B01V1		1-01 *							2		1		281
MSYN L (1)		B02V1		1-02 *							1		1		281
MSYN L (1)		B03V1		1-03 *							2		1		281
MSYN L (1)		B04V1		1-04 *	H						1	TW	8-1/8		281
MSYN L (1)		E01E1		1-05 *	P						2		1		281
MSYN L (1)		E02E1		1-06 *	P						1		1		281
MSYN L (1)		E03E1		1-07 *	P						2		1		281
MSYN L (1)		E04E1		1-08 *											281
MSYN L (1)				1									14-1/8		281

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
MSYN L (2)	E05E1		1-01 *	P					1				1	282
MSYN L (2)	E06E1		1-02 *	P					2				1	282
MSYN L (2)	E07E1		1-03 *	P					1				1	282
MSYN L (2)	E08E1		1-04 *	P					2		TW		1	282
MSYN L (2)	E09E1		1-05 *	H					1		TW		8-3/8	282
MSYN L (2)	B05V1		1-06 *						2				1	282
MSYN L (2)	B06V1		1-07 *						1				1	282
MSYN L (2)	B07V1		1-08 *						2				1	282
MSYN L (2)	B08V1		1-09 *						1				1	282
MSYN L (2)	B09V1		1-10 *											282
MSYN L (2)			1										16-3/8	282
MSYN L (JMP)	E04E1		1-01 *						1				1	283
MSYN L (JMP)	E05E1		1-02 *											283
MSYN L (JMP)			1										1-0/8	283
NPG L	A01U1		1-01 *						1				3-6/8	284
NPG L	C01A1		1-02 *						2				0-1/8	284
NPG L	C01B1		1-03 *	P					2				0-5/8	284
NPG L	C02A1		1-04 *						1				0-1/8	284
NPG L	C02B1		1-05 *	P					2				0-5/8	284
NPG L	C03A1		1-06 *						1				0-1/8	28
NPG L	C03B1		1-07 *	P					2				0-5/8	284
NPG L	C04A1		1-08 *						1				0-1/8	284
NPG L	C04B1		1-09 *	P					2				0-5/8	284
NPG L	C05A1		1-10 *						1				0-1/8	284
NPG L	C05B1		1-11 *	P					2				0-5/8	284
NPG L	C06A1		1-12 *						1				0-1/8	284
NPG L	C06B1		1-13 *	P					2				0-5/8	284
NPG L	C07A1		1-14 *						1				0-1/8	284
NPG L	C07B1		1-15 *	P					2				0-5/8	284
NPG L	C08A1		1-16 *						1				0-1/8	284
NPG L	C08B1		1-17 *	P					2				0-5/8	284
NPG L	C09A1		1-18 *						1				0-1/8	284
NPG L	C09B1		1-19 *						2				3-7/8	284
NPG L	A09U1		1-20 *											284
NPG L			1										13-6/8	284

RUN NAME	A/P PIN NAME	ORDER PIN	BAY ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
NPR L	A01S2		1-01 *							1		1		285
NPR L	A02S2		1-02 *							2		1		285
NPR L	A03S2		1-03 *							1		1		285
NPR L	A04S2		1-04 *							2		1		285
NPR L	A05S2		1-05 *							1		1		285
NPR L	A06S2		1-06 *							2		1		285
NPR L	A07S2		1-07 *							1		1		285
NPR L	A08S2		1-08 *	1						2				285
NPR L	A09S2		1-09 *		H					2	TW PR	12-7/8		285
NPR L	F09J1		1-10 *		P					2		1		285
NPR L	F08J1		1-11 *		P					1		1		285
NPR L	F07J1		1-12 *		P					2		1		285
NPR L	F06J1		1-13 *		P					1		1		285
NPR L	F05J1		1-14 *		P					2		1		285
NPR L	F04J1		1-15 *		P					1		1		285
NPR L	F03J1		1-16 *		P					2		1		285
NPR L	F02J1		1-17 *		P					1		1		285
NPR L	F01J1		1-18 *											285
NPR L			1									28-7/8		285
PA L	A09M1		1-01 *		P					2		1		286
PA L	A08M1		1-02 *		P					1		1		286
PA L	A07M1		1-03 *		P					2		1		286
PA L	A06M1		1-04 *		P					1		1		286
PA L	A05M1		1-05 *							2		1		286
PA L	A04M1		1-06 *		P					2		1		286
PA L	A03M1		1-07 *		P					1		1-4/8		286
PA L	A01M1		1-08 *		P					1				286
PA L	A02M1		1-09 *							2		4-6/8		286
PA L	C02C1		1-10 *		P					2		1		286
PA L	C01C1		1-11 *							1		1-4/8		286
PA L	C03C1		1-12 *							2		1		286
PA L	C04C1		1-13 *							1		1		286
PA L	C05C1		1-14 *							2		1		286
PA L	C06C1		1-15 *							1		1		286
PA L	C07C1		1-16 *							2		1		286
PA L	C08C1		1-17 *							1		1		286
PA L	C09C1		1-18 *											286
PA L			1									21-6/8		286
PAR DET	B02E2		1-01 *							2		1		287
PAR DET	B03E2		1-02 *							1		1		287
PAR DET	B04E2		1-03 *							2		1		287
PAR DET	B05E2		1-04 *							1		1		287
PAR DET	B06E2		1-05 *							2		1		287
PAR DET	B07E2		1-06 *							1		1		287
PAR DET	B08E2		1-07 *											287
PAR DET			1									6-0/8		287

RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	NC LENGTH FLAG	EXCEPTIONS	RUN NUMBER
PAR P0		A02P1		1-01 *	P				2		1		288
PAR P0		A03P1		1-02 *	P				:		1		288
PAR P0		A04P1		1-03 *	P				2		1		288
PAR P0		A05P1		1-04 *	P				1		1		288
PAR P0		A06P1		1-05 *	P				2		1		288
PAR P0		A07P1		1-06 *	P				1		1		268
PAR P0		A08P1		1-07 *	X								288
PAR P0				1							6-0/8		288
PAR P1		A02N1		1-01 *	P				2		1		289
PAR P1		A03N1		1-02 *	P				1		1		289
PAR P1		A04N1		1-03 *	P				2		1		289
PAR P1		A05N1		1-04 *	P				1		1		289
PAR P1		A06N1		1-05 *	P				2		1		289
PAR P1		A07N1		1-06 *	P				1		1		289
PAR P1		A08N1		1-07 *	X								289
PAR P1				1							6-0/8		289
PB L		A09N2		1-01 *					1		1		290
PB L		A08N2		1-02 *	P				2		1		290
PB L		A07N2		1-03 *	P				1		1		290
PB L		A06N2		1-04 *	P				2		1		290
PB L		A05N2		1-05 *					1		1		290
PB L		A04N2		1-06 *	P				1		2		290
PB L		A01N2		1-07 *	P				2		1		290
PB L		A02N2		1-08 *	P				1		1		290
PB L		A03N2		1-09 *					2		6-3/8		290
PB L		C03S1		1-10 *	P				2		1-4/8		290
PB L		C01S1		1-11 *	P				2		1		290
PB L		C02S1		1-12 *	P				1		1-4/8		290
PB L		C04S1		1-13 *	P				1		1		290
PB L		C05S1		1-14 *	P				2		1		290
PB L		C06S1		1-15 *	P				1		1		290
PB L		C07S1		1-16 *	P				2		1		290
PB L		C08S1		1-17 *	P				1		1		290
PB L		C09S1		1-18 *									290
PB L				1							24-3/8		290
RESERVED M BUS		B02A1		1-01 *	P				2		1		291
RESERVED M BUS		B03A1		1-02 *	P				1		1		291
RESERVED M BUS		B04A1		1-03 *	P				2		1		291
RESERVED M BUS		B05A1		1-04 *	P				1		1		291
RESERVED M BUS		B06A1		1-05 *	P				2		1		291
RESERVED M BUS		B07A1		1-06 *	P				1		1		291
RESERVED M BUS		B08A1		1-07 *	X								291
RESERVED M BUS				1							6-0/8		291

RUN NAME	A/P PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC LENGTH EXCEPTIONS FLAG	RUN NUMBER
SACK L	A01R2		1-01 *	P						1		1	292
SACK L	A02R2		1-02 *	P						2		1	292
SACK L	A03R2		1-03 *	P						1		1	292
SACK L	A04R2		1-04 *							2		15-3/8	292
SACK L	F01T2		1-05 *	P						1		1	292
SACK L	F02T2		1-06 *	P						2		1	292
SACK L	F03T2		1-07 *	P						1		1	292
SACK L	F04T2		1-08 *	H						2	2FTTW	1	292
SACK L	F05T2		1-09 *	P						1		1	292
SACK L	F06T2		1-10 *	P						2		1	292
SACK L	F07T2		1-11 *	P						1		1	292
SACK L	F08T2		1-12 *	P						2		1	292
SACK L	F09T2		1-13 *							1		15-7/8	292
SACK L	A05R2		1-14 *	P						2		1	292
SACK L	A06R2		1-15 *	P						1		1	292
SACK L	A07R2		1-16 *	P						1		1	292
SACK L	A08R2		1-17 *	P						2		1	292
SACK L	A09R2		1-18 *	X									292
SACK L			1									46-2/8	292
SSYN L (1)	B01U1		1-01 *	P						1		1	293
SSYN L (1)	B02U1		1-02 *	P						2		1	293
SSYN L (1)	B03U1		1-03 *	P						1		1	293
SSYN L (1)	B04U1		1-04 *	H						2	TW	8-3/8	293
SSYN L (1)	E01J1		1-05 *	P						1		1	293
SSYN L (1)	E02J1		1-06 *	P						2		1	293
SSYN L (1)	E03J1		1-07 *	P						1		1	293
SSYN L (1)	E04J1		1-08 *							2		2-5/8	293
SSYN L (1)	F04C1		1-09 *	P						2		1	293
SSYN L (1)	F03C1		1-10 *	P						1		1	293
SSYN L (1)	F02C1		1-11 *	P						2		1	293
SSYN L (1)	F01C1		1-12 *										293
SSYN L (1)			1									20-0/8	293
SSYN L (2)	B09U1		1-01 *	P						1		1	294
SSYN L (2)	B08U1		1-02 *	P						1		1	294
SSYN L (2)	B07U1		1-03 *	P						2		1	294
SSYN L (2)	B06U1		1-04 *	P						1		1	294
SSYN L (2)	B05U1		1-05 *	H						2	TW	9-1/8	294
SSYN L (2)	E09J1		1-06 *	P						1		1	294
SSYN L (2)	E08J1		1-07 *	P						2		1	294
SSYN L (2)	E07J1		1-08 *	P						1		1	294
SSYN L (2)	E06J1		1-09 *	P						2		1	294
SSYN L (2)	E05J1		1-10 *							1		2-5/8	294
SSYN L (2)	F05C1		1-11 *	P						1		1	294
SSYN L (2)	F06C1		1-12 *	P						2		1	294
SSYN L (2)	F07C1		1-13 *	P						1		1	294
SSYN L (2)	F08C1		1-14 *	P						2		1	294
SSYN L (2)	F09C1		1-15 *	X									294
SSYN L (2)			1									23-6/8	294
SSYN L JM	F05C1		1-01 *	H						1	2FTTW	1	295
SSYN L JM	F04C1		1-02 *										295
SSYN L JM			1									1-0/8	295