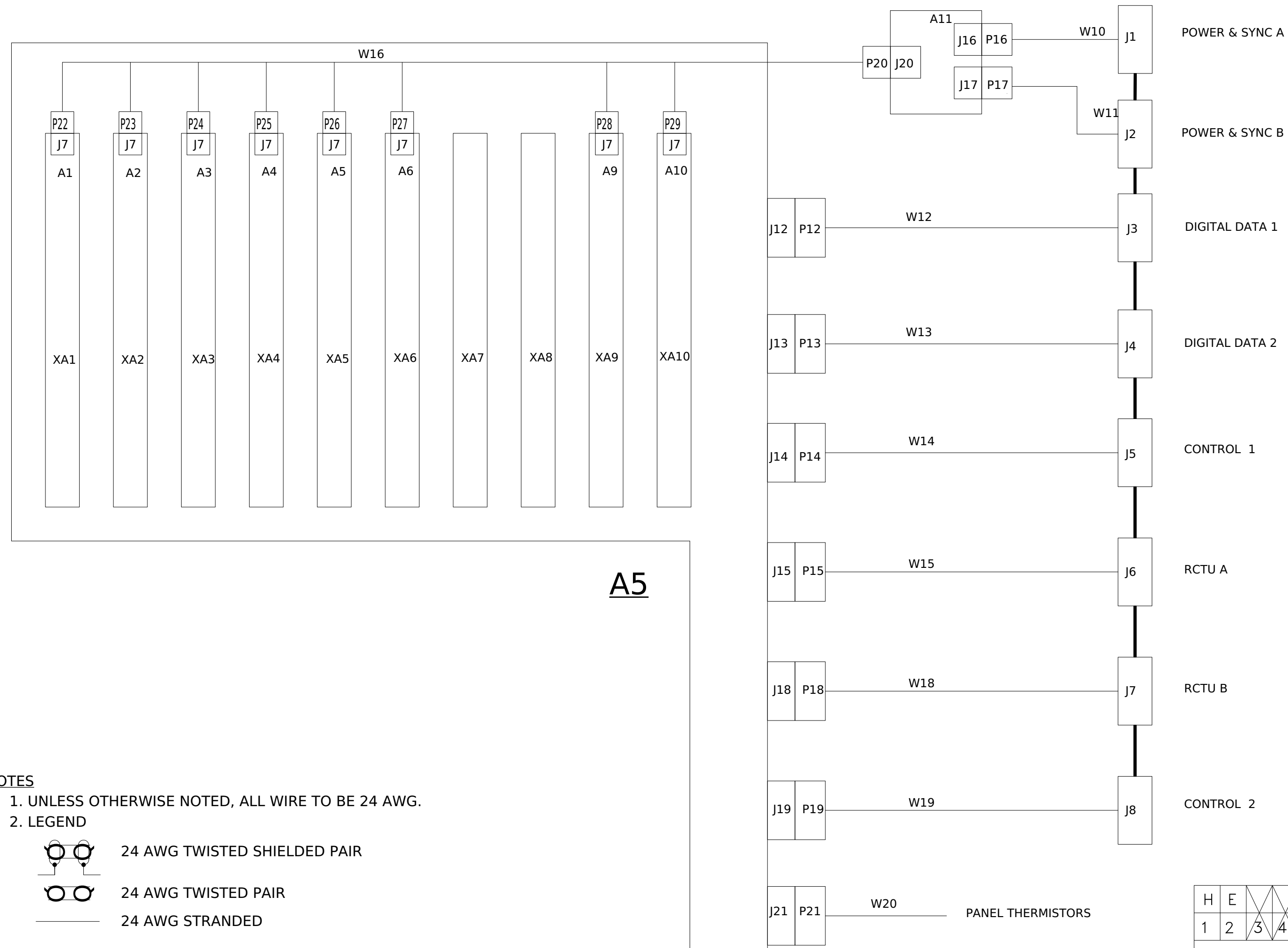


REF DES	DESCRIPTION
A1	FRONT END PROCESSOR 5
A2	FRONT END PROCESSOR 4
A3	FRONT END PROCESSOR 3
A4	FRONT END PROCESSOR 2
A5	FRONT END PROCESSOR 1
A6	FRONT END PROCESSOR 0
A7	NOT USED
A8	NOT USED
A9	BACK END PROCESSOR B
A10	BACK END PROCESSOR A
A11	POWER INTERFACE

CONNECTOR KEYING		
REF DES	POSITION	
A1	XA1	A 1
A2	XA2	A 1
A3	XA3	A 1
A4	XA4	A 1
A5	XA5	A 1
A6	XA6	A 1
	XA7	
	XA8	
A9	XA9	B 2
A10	XA10	B 2

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
F	36-459	CHANGE RT REF DES, ADD W20	FJK	RFG	1/10/96
G	36-562	CHANGE BEP TO A9,A10 CHANGE DATA SIGNALS,W12,W13	FJK	RFG	4/19/96
H	36-761	ADD ASSY P/N'S			



**NOTES**

- UNLESS OTHERWISE NOTED, ALL WIRE TO BE 24 AWG.
- LEGEND

- 24 AWG TWISTED SHIELDED PAIR
- 24 AWG TWISTED PAIR
- 24 AWG STRANDED

H	E	<del>3</del>	<del>4</del>	G	G	H	F	E	G								
1	2	3	4	5	6	7	8	9	10	11							

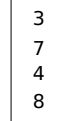
REVISION STATUS OF SHEETS

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE: ANGLES ± 1° 3 PLACE DECIMALS ± .005 2 PLACE DECIMALS ± .01		NAME DRAWN <b>M. LYONS</b> 3/21/95		DATE 3/21/95		MASSACHUSETTS INSTITUTE OF TECHNOLOGY CENTER FOR SPACE RESEARCH CAMBRIDGE, MA 02139	
		MATERIAL		CHECKED <b>F.Kasparian</b> 4/27/95		DATE 4/27/95			
NEXT ASSEMBLY		USED ON		APPROVED <b>R.F.Goeke</b> 4/27/95		DATE 4/27/95		<b>INTERCONNECTION DIAGRAM - DIGITAL PROCESSING ASSY</b>	
APPLICATION				RELEASED <b>D.Gage</b> 4/27/95		DATE 4/27/95			
		INTERPRET DIMENSIONS AND TOLERANCES IAW ANSI Y14.5M-1982		WEIGHT		SIZE <b>C</b>		CAGE CODE <b>80230</b>	
						DWG. NO. <b>36-03021.01</b>		REV. <b>H</b>	
						SCALE NONE		SHEET 1 OF 10	

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

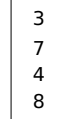
(311P409-1S-B-12) P22

- (P20-2) FEP 5 +5 B
- (P20-35) FEP 5 +5 B RTN
- (P20-3) FEP 5 +5 B
- (P20-36) FEP 5 +5 B RTN



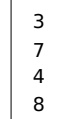
(311P409-1S-B-12) P23

- (P20-4) FEP\_4 +5 B
- (P20-37) FEP\_4 +5 B RTN
- (P20-5) FEP\_4 +5 B
- (P20-38) FEP\_4 +5 B RTN



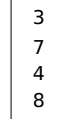
(311P409-1S-B-12) P24

- (P20-6) FEP\_3 +5 B
- (P20-39) FEP\_3 +5 B RTN
- (P20-7) FEP\_3 +5 B
- (P20-40) FEP\_3 +5 B RTN



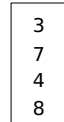
(311P409-1S-B-12) P25

- (P20-10) FEP\_2 +5 A
- (P20-43) FEP\_2 +5 A RTN
- (P20-11) FEP\_2 +5 A
- (P20-44) FEP\_2 +5 A RTN



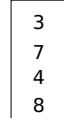
(311P409-1S-B-12) P26

- (P20-12) FEP\_1 +5 A
- (P20-45) FEP\_1 +5 A RTN
- (P20-13) FEP\_1 +5 A
- (P20-46) FEP\_1 +5 A RTN



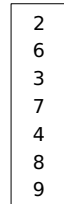
(311P409-1S-B-12) P27

- (P20-14) FEP\_0 +5 A
- (P20-47) FEP\_0 +5 A RTN
- (P20-15) FEP\_0 +5 A
- (P20-48) FEP\_0 +5 A RTN



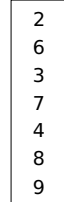
(311P409-1S-B-12) P28

- (P20-8) BEP\_1 +5 B
- (P20-41) BEP\_1 +5 B RTN
- (P20-9) BEP\_1 +5 B
- (P20-42) BEP\_1 +5 B RTN
- (P20-20) 100 KHz SYNC B
- (P20-21) 100 KHz SYNC B
- (P20-22) 100 KHz SYNC B



(311P409-1S-B-12) P29

- (P20-16) BEP\_0 +5 A
- (P20-49) BEP\_0 +5 A RTN
- (P20-17) BEP\_0 +5 A
- (P20-50) BEP\_0 +5 A RTN
- (P20-29) 100 KHz SYNC A
- (P20-30) 100 KHz SYNC A
- (P20-31) 100 KHz SYNC A



P20 (311P409-5P-B-12)

A11

(SND50F3S0T2G) J20

(SND25M3S0T2G) J16

(SND25M3S0T2G) J17

P16 (311P409-3S-B-12)

J1 (MS27656T23F21P)

P17 (311P409-3S-B-12)

J2 (MS27656T23F21PA)

W10  
20AWG

W11  
20AWG

W16  
22AWG

W16 DPA POWER  
(ASSY 36-30318)

W11 DPS POWER & SYNCH B  
(ASSY 36-30306)

W10 DPS POWER & SYNCH A  
(ASSY 36-30305)

- A (P16-2) DPA A2A 5.25V
- H (P16-15) DPA A2A 5.25V RTN
- B (P16-3) DPA A2B 5.25V
- J (P16-16) DPA A2B 5.25V RTN
- C (P16-4) DPA A2E 5.25V
- K (P16-17) DPA A2E 5.25V RTN
- D (P16-5) DPA A2C 5.25V
- L (P16-18) DPA A2C 5.25V RTN
- E (P16-6) DPA A2D 5.25V
- M (P16-19) DPA A2D 5.25V RTN
- W (P16-9) DPA 100KHz SYNC A1
- P (P16-22) DPA 100KHz SYNC RTN A1
- V (P16-10) DEA 100KHz SYNC A2
- U (P16-23) DEA 100KHz SYNC RTN A2
- X (P16-11) DETECTOR HEATER 100KHz SYNC A3
- T (P16-24) DETECTOR HEATER 100KHz SYNC RTN A3
- F NOT USED
- G NOT USED
- N NOT USED
- R NOT USED
- S NOT USED

- A (P17-2) DPA B2A 5.25V
- H (P17-15) DPA B2A 5.25V RTN
- B (P17-3) DPA B2B 5.25V
- J (P17-16) DPA B2B 5.25V RTN
- C (P17-4) DPA B2E 5.25V
- K (P17-17) DPA B2E 5.25V RTN
- D (P17-5) DPA B2C 5.25V
- L (P17-18) DPA B2C 5.25V RTN
- E (P17-6) DPA B2D 5.25V
- M (P17-19) DPA B2D 5.25V RTN
- W (P17-9) DPA 100KHz SYNC B1
- P (P17-22) DPA 100KHz SYNC RTN B1
- V (P17-10) DEA 100KHz SYNC B2
- U (P17-23) DEA 100KHz SYNC RTN B2
- X (P17-11) DETECTOR HEATER 100KHz SYNC B3
- T (P17-24) DETECTOR HEATER 100KHz SYNC RTN B3
- F NOT USED
- G NOT USED
- N NOT USED
- R NOT USED
- S NOT USED

NOT USED

NOT USED

NOTES

1. 20 AWG TWISTED PAIR
2. 20 AWG TWISTED PAIR
3. — 22-AWG STRANDED WIRE

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	E
SCALE	NONE	SHEET	2

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

**(311P409-1S-B-12) P22**

- (P20-2) FEP\_5 +5A (VCC1)
- (P20-3) FEP\_5 +5A RTN
- (P20-18) FEP\_5 +5A (VCC1)
- (P20-19) FEP\_5 +5A RTN
- (P20-35) FEP\_5 +5B (VCC2)
- (P20-36) FEP\_5 +5B RTN
- (P20-4) FEP\_5 +5B (VCC2)
- (P20-20) FEP\_5 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

**(311P409-5P-B-12) P20**

- 1
- 2
- 3
- 18
- 19
- 35
- 36
- 4
- 20
- 5
- 6
- 21
- 22
- 37
- 38
- 23
- 39
- 8
- 9
- 24
- 25
- 40
- 41
- 26
- 42
- 11
- 12
- 27
- 28
- 14
- 15
- 29
- 30
- 45
- 46
- 31
- 47
- 16
- 17
- 48
- 49
- 7
- 10
- 13
- 32
- 33
- 34
- 43
- 44
- 50

- OPEN
- (P22-2) FEP\_5 +5A (VCC1)
- (P22-1) FEP\_5 +5A RTN
- (P22-3) FEP\_5 +5A (VCC1)
- (P22-4) FEP\_5 +5A RTN
- (P22-7) FEP\_5 +5B (VCC2)
- (P22-6) FEP\_5 +5B RTN
- (P22-8) FEP\_5 +5B (VCC2)
- (P22-9) FEP\_5 +5B RTN
- (P23-2) FEP\_4 +5A (VCC1)
- (P23-1) FEP\_4 +5A RTN
- (P23-3) FEP\_4 +5A (VCC1)
- (P23-4) FEP\_4 +5A RTN
- (P23-7) FEP\_4 +5B (VCC2)
- (P23-6) FEP\_4 +5B RTN
- (P23-8) FEP\_4 +5B (VCC2)
- (P23-9) FEP\_4 +5B RTN
- (P24-2) FEP\_3 +5A (VCC1)
- (P24-1) FEP\_3 +5A RTN
- (P24-3) FEP\_3 +5A (VCC1)
- (P24-4) FEP\_3 +5A RTN
- (P24-7) FEP\_3 +5B (VCC2)
- (P24-6) FEP\_3 +5B RTN
- (P24-8) FEP\_3 +5B (VCC2)
- (P24-9) FEP\_3 +5B RTN
- (P25-2) FEP\_2 +5A (VCC1)
- (P25-1) FEP\_2 +5A RTN
- (P25-3) FEP\_2 +5A (VCC1)
- (P25-4) FEP\_2 +5A RTN
- (P25-7) FEP\_2 +5B (VCC2)
- (P25-6) FEP\_2 +5B RTN
- (P25-8) FEP\_2 +5B (VCC2)
- (P25-9) FEP\_2 +5B RTN
- (P26-2) FEP\_1 +5A (VCC1)
- (P26-1) FEP\_1 +5A RTN
- (P26-3) FEP\_1 +5A (VCC1)
- (P26-4) FEP\_1 +5A RTN
- (P26-7) FEP\_1 +5B (VCC2)
- (P26-6) FEP\_1 +5B RTN
- (P26-8) FEP\_1 +5B (VCC2)
- (P26-9) FEP\_1 +5B RTN

↑ OPEN  
↓ OPEN

**(311P409-1S-B-12) P23**

- (P20-5) FEP\_4 +5A (VCC1)
- (P20-6) FEP\_4 +5A RTN
- (P20-21) FEP\_4 +5A (VCC1)
- (P20-22) FEP\_4 +5A RTN
- (P20-37) FEP\_4 +5B (VCC2)
- (P20-38) FEP\_4 +5B RTN
- (P20-23) FEP\_4 +5B (VCC2)
- (P20-39) FEP\_4 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

**(311P409-1S-B-12) P24**

- (P20-8) FEP\_3 +5A (VCC1)
- (P20-9) FEP\_3 +5A RTN
- (P20-24) FEP\_3 +5A (VCC1)
- (P20-25) FEP\_3 +5A RTN
- (P20-40) FEP\_3 +5B (VCC2)
- (P20-41) FEP\_3 +5B RTN
- (P20-26) FEP\_3 +5B (VCC2)
- (P20-42) FEP\_3 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

**(311P409-1S-B-12) P25**

- (P20-11) FEP\_2 +5A (VCC1)
- (P20-12) FEP\_2 +5A RTN
- (P20-27) FEP\_2 +5A (VCC1)
- (P20-28) FEP\_2 +5A RTN
- (P20-14) FEP\_2 +5B (VCC2)
- (P20-15) FEP\_2 +5B RTN
- (P20-29) FEP\_2 +5B (VCC2)
- (P20-30) FEP\_2 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

**(311P409-1S-B-12) P26**

- (P20-45) FEP\_1 +5A (VCC1)
- (P20-46) FEP\_1 +5A RTN
- (P20-31) FEP\_1 +5A (VCC1)
- (P20-47) FEP\_1 +5A RTN
- (P20-16) FEP\_1 +5B (VCC2)
- (P20-17) FEP\_1 +5B RTN
- (P20-48) FEP\_1 +5B (VCC2)
- (P20-49) FEP\_1 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

**NOTES**

- 1. 20 AWG TWISTED PAIR

**W16 DPA POWER A**

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	C
SCALE NONE		SHEET 3	

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(311P409-1S-B-12) P27

- (P21-2) FEP\_0 +5A (VCC1)
- (P21-3) FEP\_0 +5A RTN
- (P21-18) FEP\_0 +5A (VCC1)
- (P21-19) FEP\_0 +5A RTN
- (P21-35) FEP\_0 +5B (VCC2)
- (P21-36) FEP\_0 +5B RTN
- (P21-4) FEP\_0 +5B (VCC2)
- (P21-20) FEP\_0 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

(311P409-1S-B-12) P28

- (P21-5) BEP\_1 +5B (VCC2)
- (P21-6) BEP\_1 +5B RTN
- (P21-21) BEP\_1 +5B (VCC2)
- (P21-22) BEP\_1 +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

(311P409-1S-B-12) P29

- (P21-8) BEP\_0 +5A (VCC1)
- (P21-9) BEP\_0 +5A RTN
- (P21-24) BEP\_0 +5A (VCC1)
- (P21-25) BEP\_0 +5A RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

(311P409-1S-B-12) P30

- (P21-11) PREP +5A (VCC1)
- (P21-12) PREP +5A RTN
- (P21-27) PREP +5A (VCC1)
- (P21-28) PREP +5A RTN
- (P21-14) PREP +5B (VCC2)
- (P21-15) PREP +5B RTN
- (P21-29) PREP +5B (VCC2)
- (P21-30) PREP +5B RTN

- 2
- 1
- 3
- 4
- 7
- 6
- 8
- 9

(311P409-5P-B-12) P21

- 1
- 2
- 3
- 18
- 19
- 35
- 36
- 4
- 20
- 5
- 6
- 21
- 22
- 37
- 38
- 23
- 39
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- 49
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- OPEN
- (P27-2) FEP\_0 +5A (VCC1)
- (P27-1) FEP\_0 +5A RTN
- (P27-3) FEP\_0 +5A (VCC1)
- (P27-4) FEP\_0 +5A RTN
- (P27-7) FEP\_0 +5B (VCC2)
- (P27-6) FEP\_0 +5B RTN
- (P27-8) FEP\_0 +5B (VCC2)
- (P27-9) FEP\_0 +5B RTN
- (P28-2) BEP\_1 +5B (VCC2)
- (P28-1) BEP\_1 +5B RTN
- (P28-3) BEP\_1 +5B (VCC2)
- (P28-4) BEP\_1 +5B RTN
- OPEN
- OPEN
- OPEN
- OPEN
- OPEN
- (P29-2) BEP\_0 +5A (VCC1)
- (P29-1) BEP\_0 +5A RTN
- (P29-3) BEP\_0 +5A (VCC1)
- (P29-4) BEP\_0 +5A RTN
- OPEN
- OPEN
- OPEN
- OPEN
- (P30-2) PREP +5A (VCC1)
- (P30-1) PREP +5A RTN
- (P30-3) PREP +5A (VCC1)
- (P30-4) PREP +5A RTN
- (P30-7) PREP +5B (VCC2)
- (P30-6) PREP +5B RTN
- (P30-8) PREP +5B (VCC2)
- (P30-9) PREP +5B RTN
- OPEN
- ↑
- ↓
- OPEN

NOTES

- 1.  AWG TWISTED PAIR

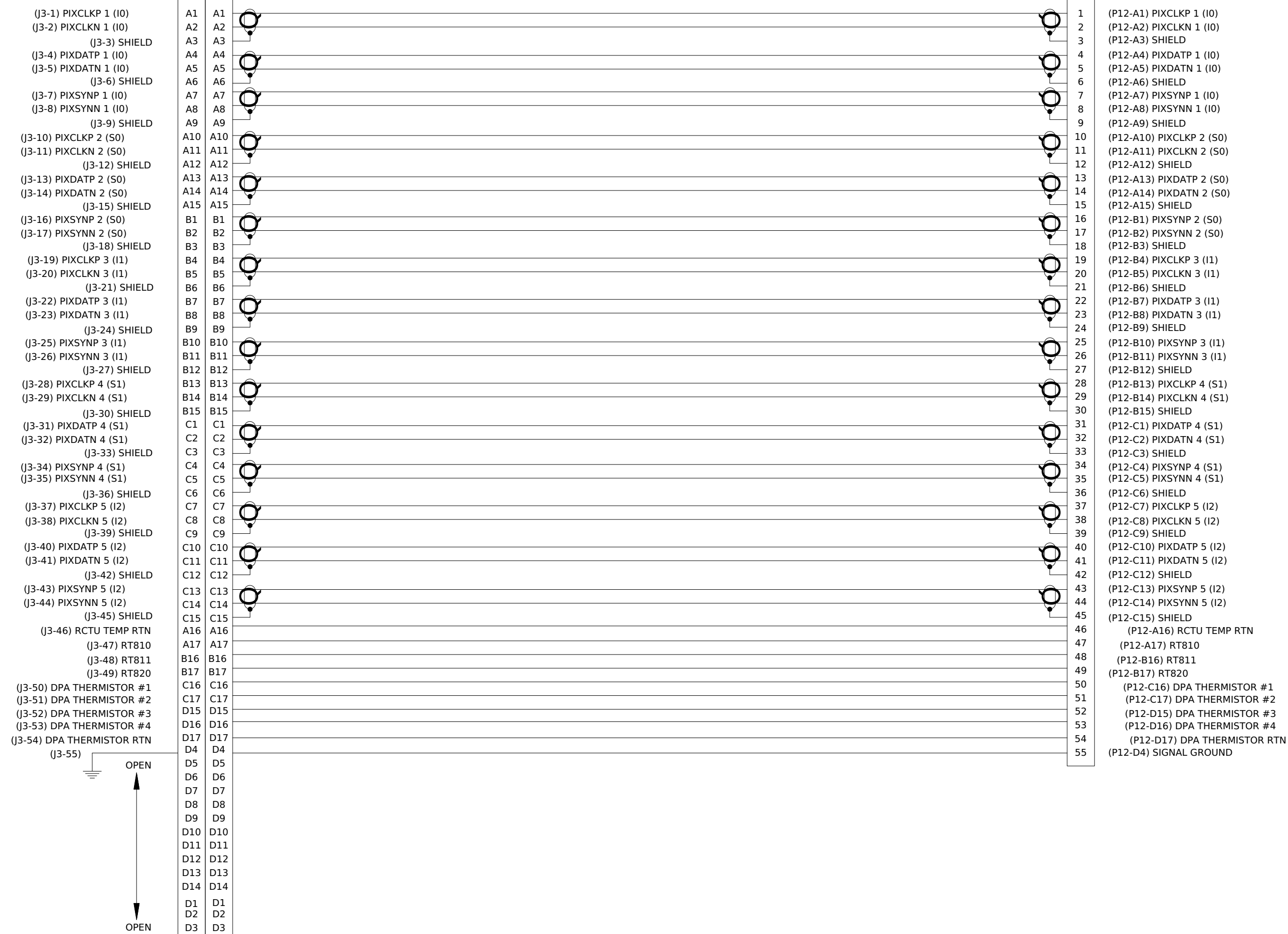
W17 DPA POWER B

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	B
SCALE	NONE	SHEET	4

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA68/254DEV31FDTAH) J12 P12 (KA68/254DPV32MRTH)

(MS27656T17F35P) J3



## W12 DIGITAL DATA 1 (ASSY 36-30307)

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	G
SCALE	NONE	SHEET	5

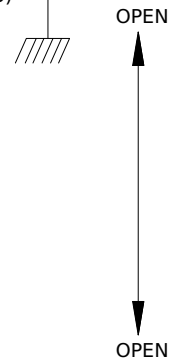
REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA68/254DEV31FDTAH) J13 P13 (KA68/254DPV32MRTH)

(MS27656T17F35PA) J4

- (J4-1) PIXCLKP 6 (S3)
- (J4-2) PIXCLKN 6 (S3)
- (J4-3) SHIELD
- (J4-4) PIXDATP 6 (S3)
- (J4-5) PIXDATN 6 (S3)
- (J4-6) SHIELD
- (J4-7) PIXSYNP 6 (S3)
- (J4-8) PIXSYNN 6 (S3)
- (J4-9) SHIELD
- (J4-10) PIXCLKP 7 (I3)
- (J4-11) PIXCLKN 7 (I3)
- (J4-12) SHIELD
- (J4-13) PIXDATP 7 (I3)
- (J4-14) PIXDATN 7 (I3)
- (J4-15) SHIELD
- (J4-16) PIXSYNP 7 (I3)
- (J4-17) PIXSYNN 7 (I3)
- (J4-18) SHIELD
- (J4-19) PIXCLKP 8 (S2)
- (J4-20) PIXCLKN 8 (S2)
- (J4-21) SHIELD
- (J4-22) PIXDATP 8 (S2)
- (J4-23) PIXDATN 8 (S2)
- (J4-24) SHIELD
- (J4-25) PIXSYNP 8 (S2)
- (J4-26) PIXSYNN 8 (S2)
- (J4-27) SHIELD
- (J4-28) PIXCLKP 9 (S4)
- (J4-29) PIXCLKN 9 (S4)
- (J4-30) SHIELD
- (J4-31) PIXDATP 9 (S4)
- (J4-32) PIXDATN 9 (S4)
- (J4-33) SHIELD
- (J4-34) PIXSYNP 9 (S4)
- (J4-35) PIXSYNN 9 (S4)
- (J4-36) SHIELD
- (J4-37) PIXCLKP 10 (S5)
- (J4-38) PIXCLKN 10 (S5)
- (J4-39) SHIELD
- (J4-40) PIXDATP 10 (S5)
- (J4-41) PIXDATN 10 (S5)
- (J4-42) SHIELD
- (J4-43) PIXSYNP 10 (S5)
- (J4-44) PIXSYNN 10 (S5)
- (J4-45) SHIELD
- (J4-46) DPA TEMP #5
- (J4-47) DPA TEMP #6
- (J4-48) DPA TEMP #7
- (J4-49) DPA TEMP #8
- (J4-50) DPA TEMP #9
- (J4-51) DPA TEMP #10
- (J4-52) DPA TEMP #11
- (J4-53) DPA TEMP #12
- (J4-54) DPA TEMP RETURN
- (J4-55)

- A1 A1
- A2 A2
- A3 A3
- A4 A4
- A5 A5
- A6 A6
- A7 A7
- A8 A8
- A9 A9
- A10 A10
- A11 A11
- A12 A12
- A13 A13
- A14 A14
- A15 A15
- B1 B1
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- A16 A16
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- B16 B16
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- C16 C16
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- (P13-A1) PIXCLKP 6 (S3)
- (P13-A2) PIXCLKN 6 (S3)
- (P13-A3) SHIELD
- (P13-A4) PIXDATP 6 (S3)
- (P13-A5) PIXDATN 6 (S3)
- (P13-A6) SHIELD
- (P13-A7) PIXSYNP 6 (S3)
- (P13-A8) PIXSYNN 6 (S3)
- (P13-A9) SHIELD
- (P13-A10) PIXCLKP 7 (I3)
- (P13-A11) PIXCLKN 7 (I3)
- (P13-A12) SHIELD
- (P13-A13) PIXDATP 7 (I3)
- (P13-A14) PIXDATN 7 (I3)
- (P13-A15) SHIELD
- (P13-B1) PIXSYNP 7 (I3)
- (P13-B2) PIXSYNN 7 (I3)
- (P13-B3) SHIELD
- (P13-B4) PIXCLKP 8 (S2)
- (P13-B5) PIXCLKN 8 (S2)
- (P13-B6) SHIELD
- (P13-B7) PIXDATP 8 (S2)
- (P13-B8) PIXDATN 8 (S2)
- (P13-B9) SHIELD
- (P13-B10) PIXSYNP 8 (S2)
- (P13-B11) PIXSYNN 8 (S2)
- (P13-B12) SHIELD
- (P13-B13) PIXCLKP 9 (S4)
- (P13-B14) PIXCLKN 9 (S4)
- (P13-B15) SHIELD
- (P13-C1) PIXDATP 9 (S4)
- (P13-C2) PIXDATN 9 (S4)
- (P13-C3) SHIELD
- (P13-C4) PIXSYNP 9 (S4)
- (P13-C5) PIXSYNN 9 (S4)
- (P13-C6) SHIELD
- (P13-C7) PIXCLKP 10 (S5)
- (P13-C8) PIXCLKN 10 (S5)
- (P13-C9) SHIELD
- (P13-C10) PIXDATP 10 (S5)
- (P13-C11) PIXDATN 10 (S5)
- (P13-C12) SHIELD
- (P13-C13) PIXSYNP 10 (S5)
- (P13-C14) PIXSYNN 10 (S5)
- (P13-C15) SHIELD
- (P13-A16) DPA TEMP #5
- (P13-A17) DPA TEMP #6
- (P13-B16) DPA TEMP #7
- (P13-B17) DPA TEMP #8
- (P13-C16) DPA TEMP #9
- (P13-C17) DPA TEMP #10
- (P13-D16) DPA TEMP #11
- (P13-D17) DPA TEMP #12
- (P13-D3) DPA TEMP RETURN
- (P13-D4) SIGNAL GROUND

## W13 DIGITAL DATA 2 (ASSY 36-30308)

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	G
SCALE NONE		SHEET 6	

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA48/254DEV31FDTAH) J14

P14 (KA48/254DPV32MRTH)

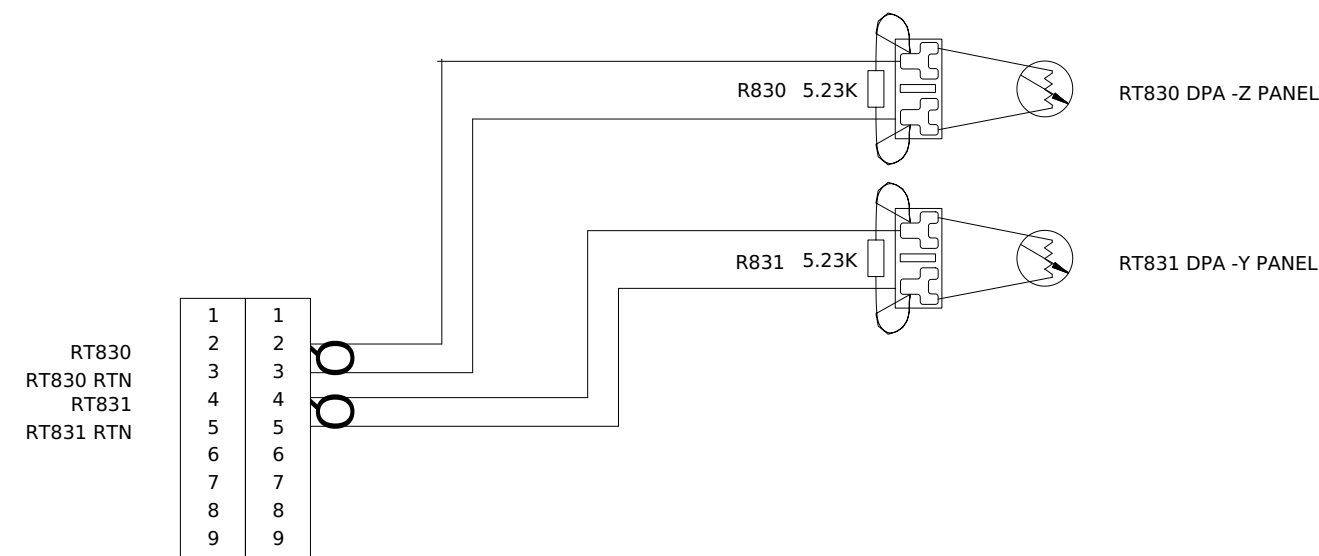
(MS27656T13F35P) J5

- (J5-1) CSCKP\_A
- (J5-2) CSCKN\_A
- (J5-3) SHIELD
- (J5-4) CMDATN\_A
- (J5-5) CMDATP\_A
- (J5-6) SHIELD
- (J5-7) STDATP\_A
- (J5-8) STDATN\_A
- (J5-9) SHIELD
- (J5-10) RESETP\_A
- (J5-11) RESETN\_A
- (J5-12) SHIELD
- (J5-13) BEPSEL\_A
- (J5-15) CK100KP\_A
- (J5-16) CK100KN\_A
- (J5-17) SHIELD
- (J5-18) CK64MP\_A
- (J5-19) CK64MN\_A
- (J5-20) SHIELD
- (J5-21) GROUND
- (J5-22) DPAHKSVA

- |     |     |
|-----|-----|
| A1  | A1  |
| B1  | B1  |
| A2  | A2  |
| B2  | B2  |
| A3  | A3  |
| B3  | B3  |
| A4  | A4  |
| B4  | B4  |
| A5  | A5  |
| B5  | B5  |
| A6  | A6  |
| B6  | B6  |
| A7  | A7  |
| B7  | B7  |
| A8  | A8  |
| B8  | B8  |
| A9  | A9  |
| B9  | B9  |
| A10 | A10 |
| A11 | A11 |
| A12 | A12 |
| B10 | B10 |
| B11 | B11 |
| B12 | B12 |
| C1  | C1  |
| C2  | C2  |
| C3  | C3  |
| C4  | C4  |
| C5  | C5  |
| C6  | C6  |
| C7  | C7  |
| C8  | C8  |
| C9  | C9  |
| C10 | C10 |
| C11 | C11 |
| C12 | C12 |
| D1  | D1  |
| D2  | D2  |
| D3  | D3  |
| D4  | D4  |
| D5  | D5  |
| D6  | D6  |
| D7  | D7  |
| D8  | D8  |
| D9  | D9  |
| D10 | D10 |
| D11 | D11 |
| D12 | D12 |

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|----|--------------------|
| 1  | (P14-A1) CSCKP_A   |
| 2  | (P14-B1) CSCKN_A   |
| 3  | (P14-A2) SHIELD    |
| 4  | (P14-B2) CMDATN_A  |
| 5  | (P14-A3) CMDATP_A  |
| 6  | (P14-B3) SHIELD    |
| 7  | (P14-A4) STDATP_A  |
| 8  | (P14-B4) STDATN_A  |
| 9  | (P14-A5) SHIELD    |
| 10 | (P14-B5) RESETP_A  |
| 11 | (P14-A6) RESETN_A  |
| 12 | (P14-B6) SHIELD    |
| 13 | (P14-A7) BEPSEL_A  |
| 14 | SPARE              |
| 15 | (P14-B8) CK100KP_A |
| 16 | (P14-B8) CK100KN_A |
| 17 | (P14-A9) SHIELD    |
| 18 | (P14-B9) CK64MP_A  |
| 19 | (P14-A10) CK64MN_A |
| 20 | (P14-A11) SHIELD   |
| 21 | (P14-C1) GROUND    |
| 22 | (P14-C2) DPAHKSVA  |

**W14 CONTROL 1**  
**(ASSY 36-30309)**



(SND9F3S0T2G) J21 P21 (311P409-1M-B-12)

**W20 THERMISTOR**  
**(ASSY 36-30334)**

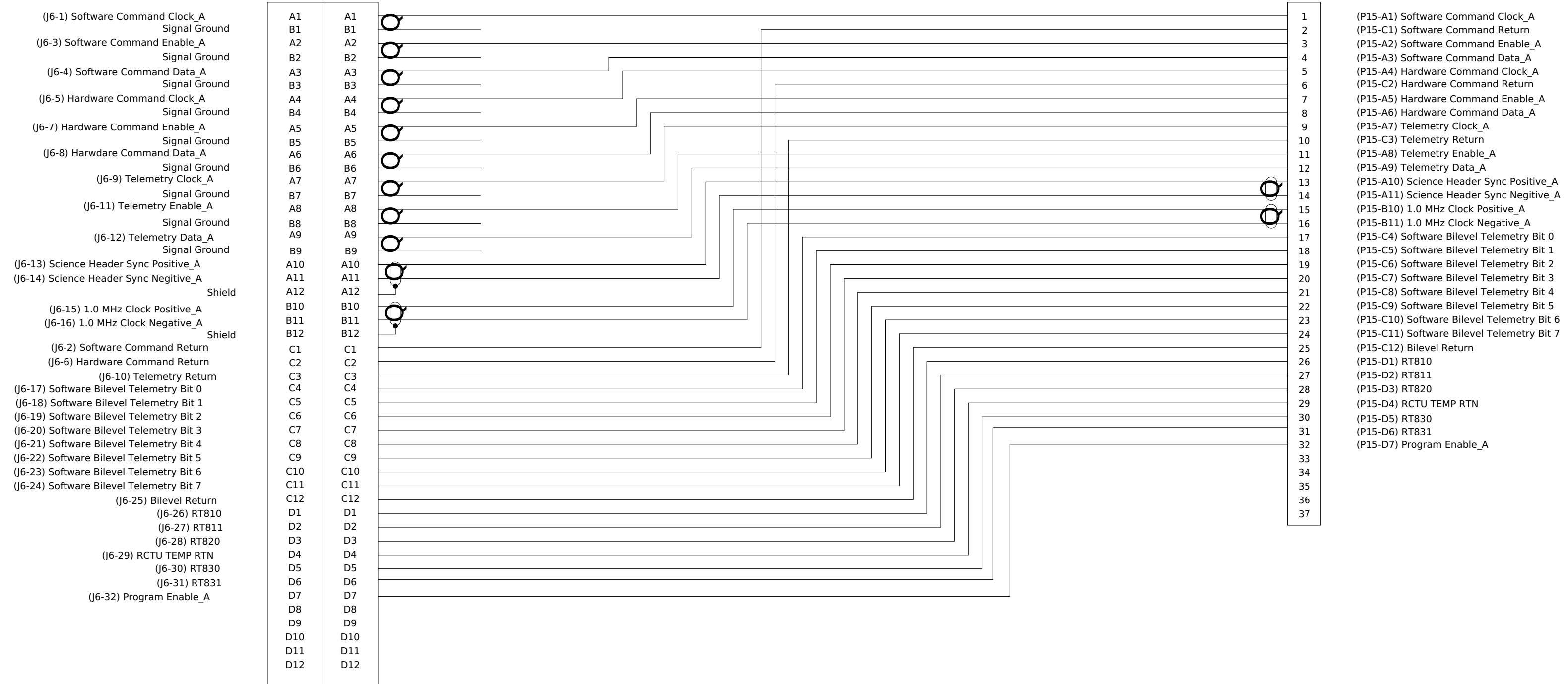
SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	H
SCALE	NONE	SHEET	7

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA48/254DEV31FDTAH) J15

P15 (KA48/254DPV32MRTH)

J6 (MS27656T15F35SA)



**W15 RCTU A**  
**(ASSY 36-30315)**

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	F
SCALE	NONE	SHEET	8

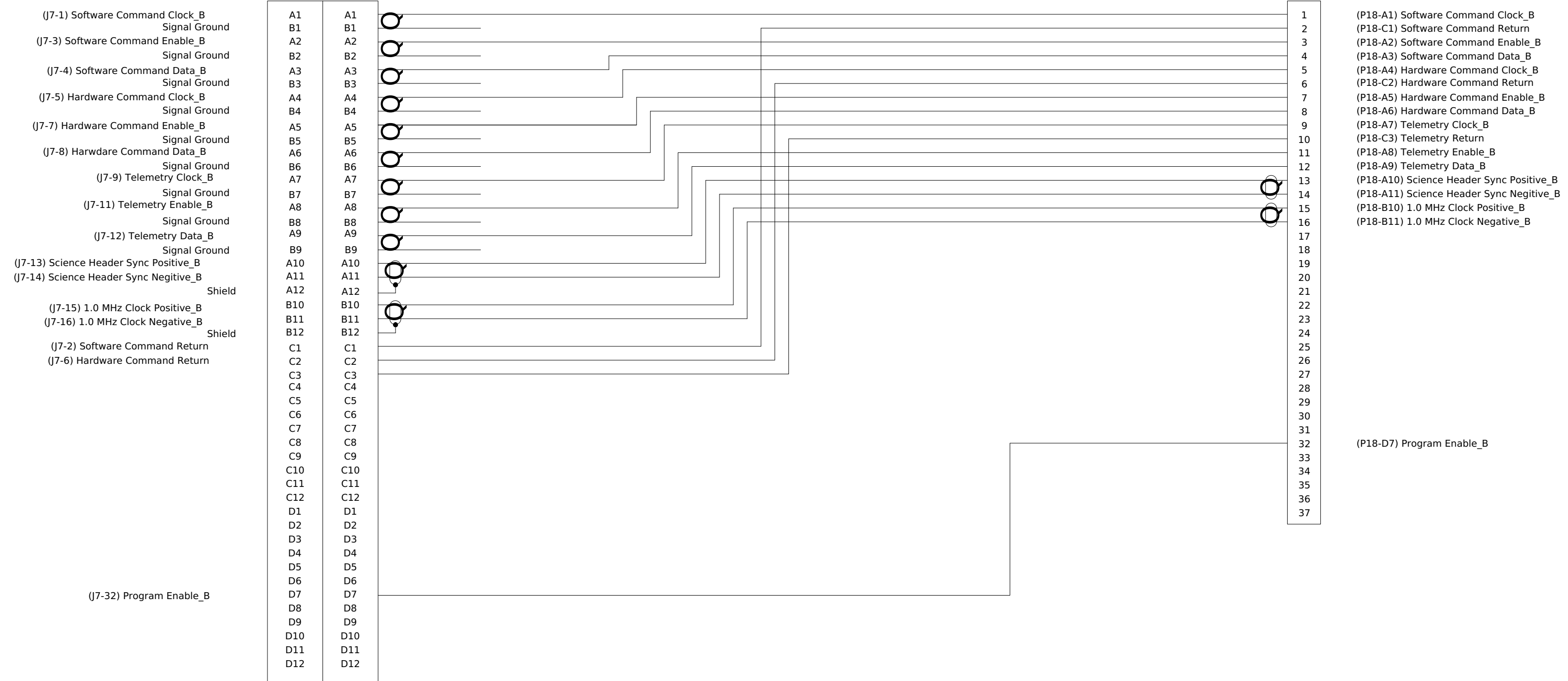


REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA48/254DEV31FDTAH) J18

P18 (KA48/254DPV32MRTH)

(MS27656T15F35SB) J7



**W18 RCTU B**  
**(ASSY 36-30316)**

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	E
SCALE	NONE	SHEET	9

REVISIONS					
REV.	ECO NO.	DESCRIPTION	CHECKED	APPROVED	DATE
		SEE SHEET 1			

(KA48/254DEV31FDTAH) J19

P19 (KA48/254DPV32MRTH)

(MS27656T13F35PA) J8

- (J8-1) CSCKP\_B
- (J8-2) CSCKN\_B
- (J8-3) SHIELD
- (J8-4) CMDATN\_B
- (J8-5) CMDATP\_B
- (J8-6) SHIELD
- (J8-7) STDATP\_B
- (J8-8) STDATN\_B
- (J8-9) SHIELD
- (J8-10) RESETP\_B
- (J8-11) RESETN\_B
- (J8-12) SHIELD
- (J8-13) BEPSEL\_B
- (J8-15) CK100KP\_B
- (J8-16) CK100KN\_B
- (J8-17) SHIELD
- (J8-18) CK64MP\_B
- (J8-19) CK64MN\_B
- (J8-20) SHIELD
- (J8-21) GROUND
- (J8-22) DPAHK5V B

A1	A1
B1	B1
A2	A2
B2	B2
A3	A3
B3	B3
A4	A4
B4	B4
A5	A5
B5	B5
A6	A6
B6	B6
A7	A7
B7	B7
A8	A8
B8	B8
A9	A9
B9	B9
A10	A10
A11	A11
A12	A12
B10	B10
B11	B11
B12	B12
C1	C1
C2	C2
C3	C3
C4	C4
C5	C5
C6	C6
C7	C7
C8	C8
C9	C9
C10	C10
C11	C11
C12	C12
D1	D1
D2	D2
D3	D3
D4	D4
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D11	D11
D12	D12



- 1 (P19-A1) CSCKP\_B
- 2 (P19-B1) CSCKN\_B
- 3 (P19-A2) SHIELD
- 4 (P19-B2) CMDATN\_B
- 5 (P19-A3) CMDATP\_B
- 6 (P19-B3) SHIELD
- 7 (P19-A4) STDATP\_B
- 8 (P19-B4) STDATN\_B
- 9 (P19-A5) SHIELD
- 10 (P19-B5) RESETP\_B
- 11 (P19-A6) RESETN\_B
- 12 (P19-B6) SHIELD
- 13 (P19-A7) BEPSEL\_B
- 14 SPARE
- 15 (P19-B8) CK100KP\_B
- 16 (P19-B8) CK100KN\_B
- 17 (P19-A9) SHIELD
- 18 (P19-B9) CK64MP\_B
- 19 (P19-A10) CK64MN\_B
- 20 (P19-A11) SHIELD
- 21 (P19-C1) GROUND
- 22 (P19-C2) DPAHK5V B

## W19 CONTROL 2 (ASSY 36-30329)

SIZE	CAGE CODE	DWG. NO.	REV.
C	80230	36-03021.01	G
SCALE	NONE	SHEET	10