

CF-020400-076		
REV.	SHEET 1 OF 4	DOCUMENT NO.
REVISIONS		
LTR	DESCRIPTION	DATE
P-2+	PRELIMINARY DESIGN	04/08/21

DOCUMENT NO.
CF-020400-076

SHEET 1 OF 4

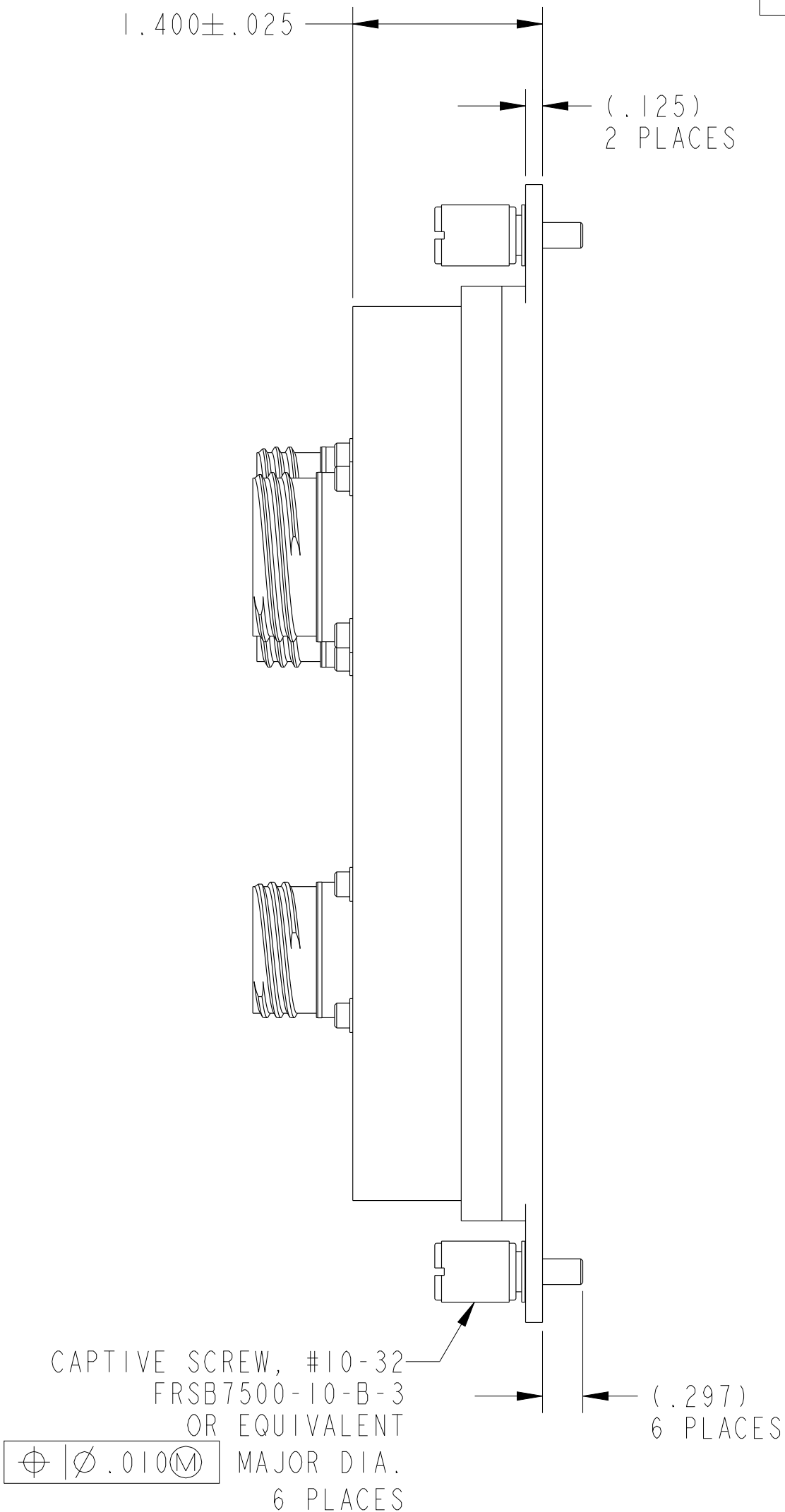
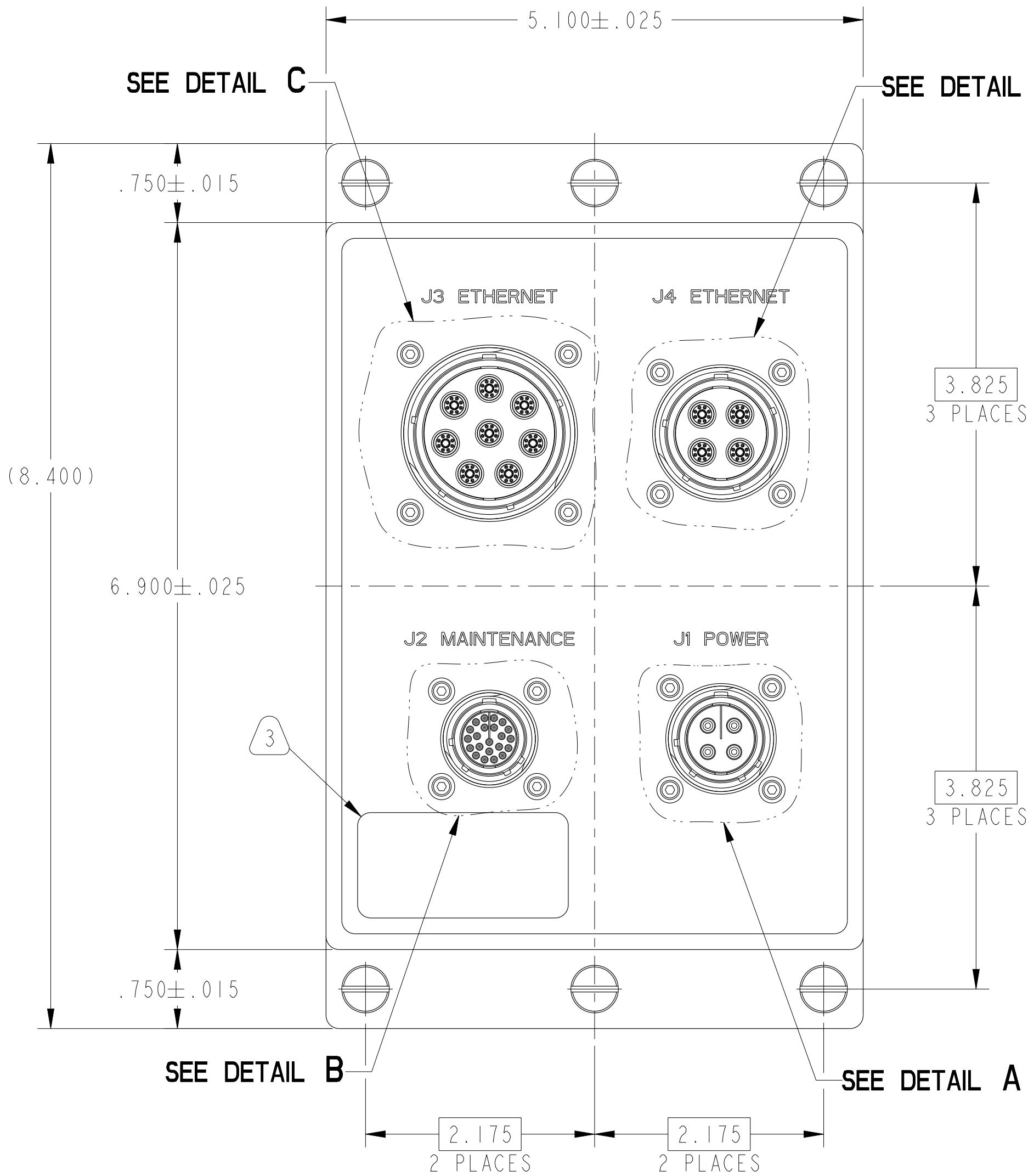
REV.
P-2+

C

B

A

FORMAT: C-0-E-1- PRELIMINARY



PRELIMINARY
DRAWING
REVISION: P-2+



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES

PRELIMINARY
DRAWING
REVISION: P-2+

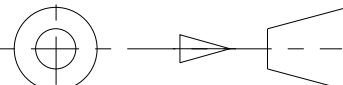
SEE SHEET 2

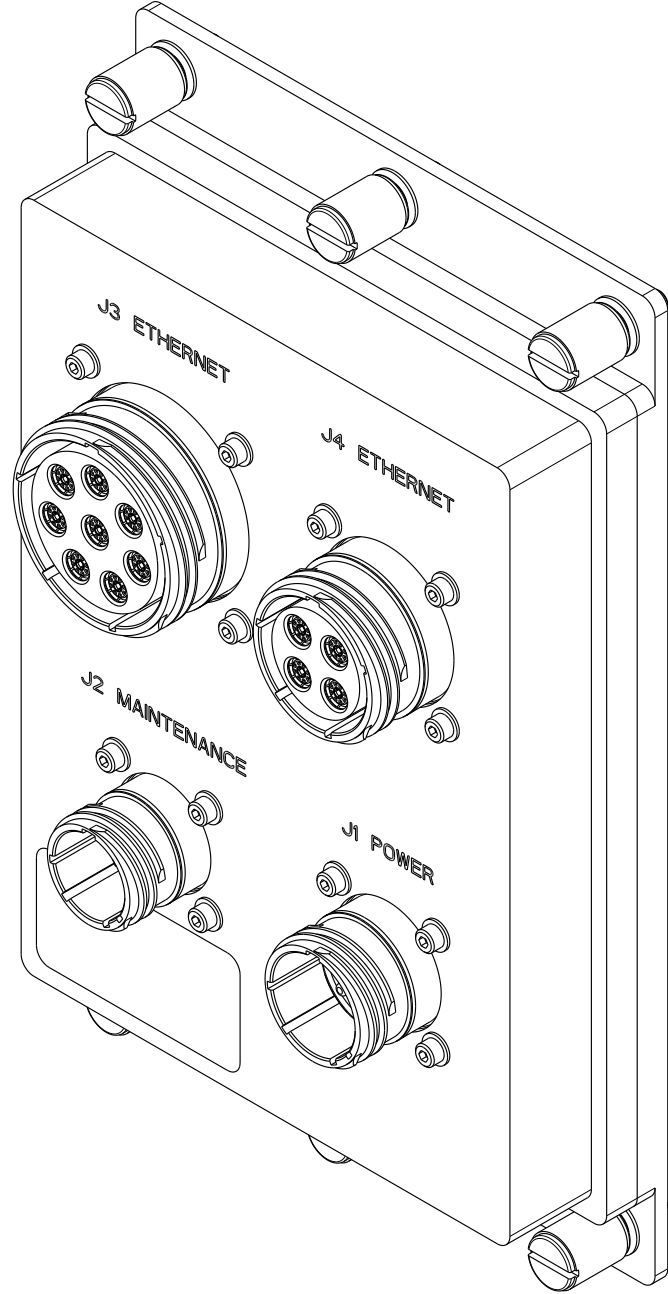
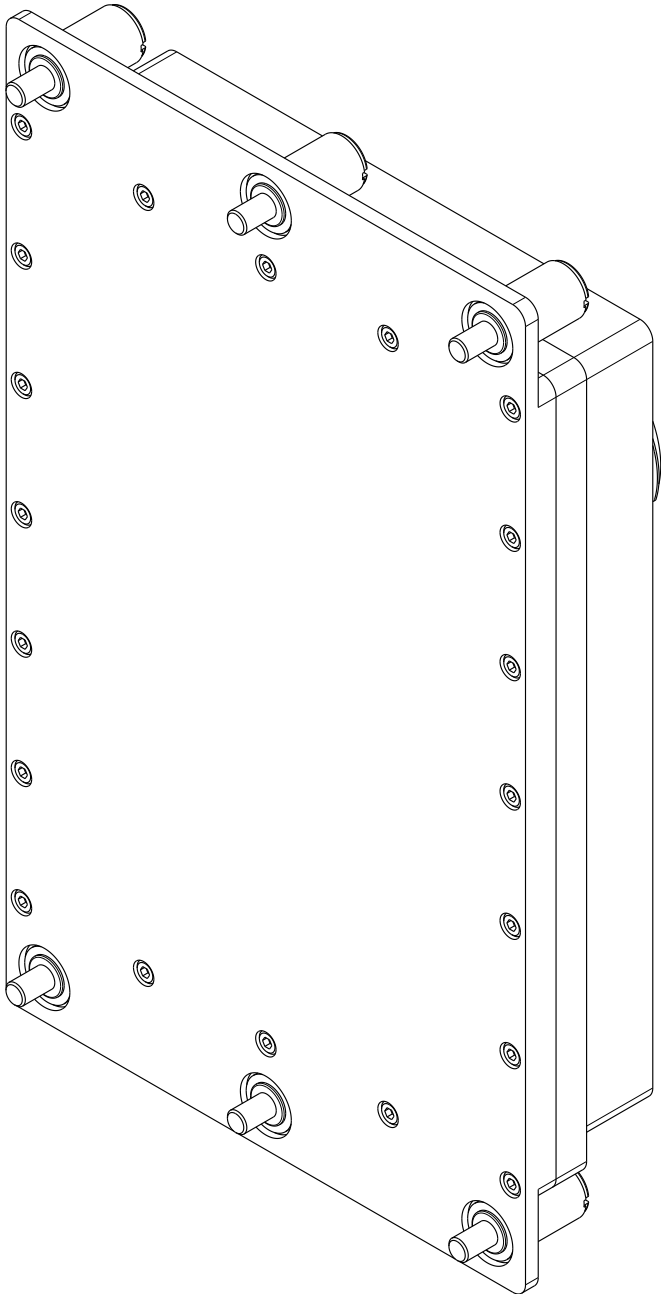
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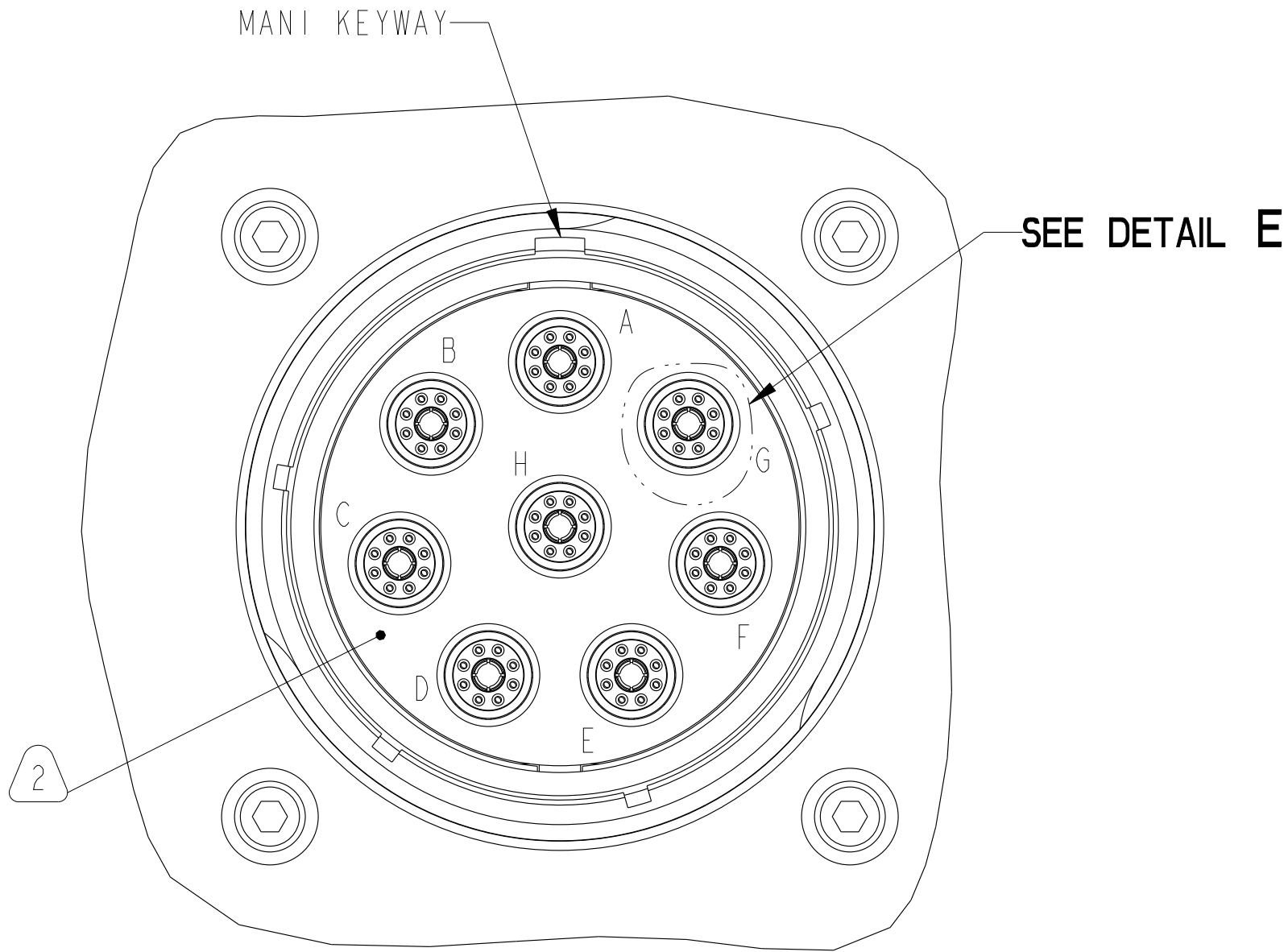
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NONE
NEXT ASSEMBLY

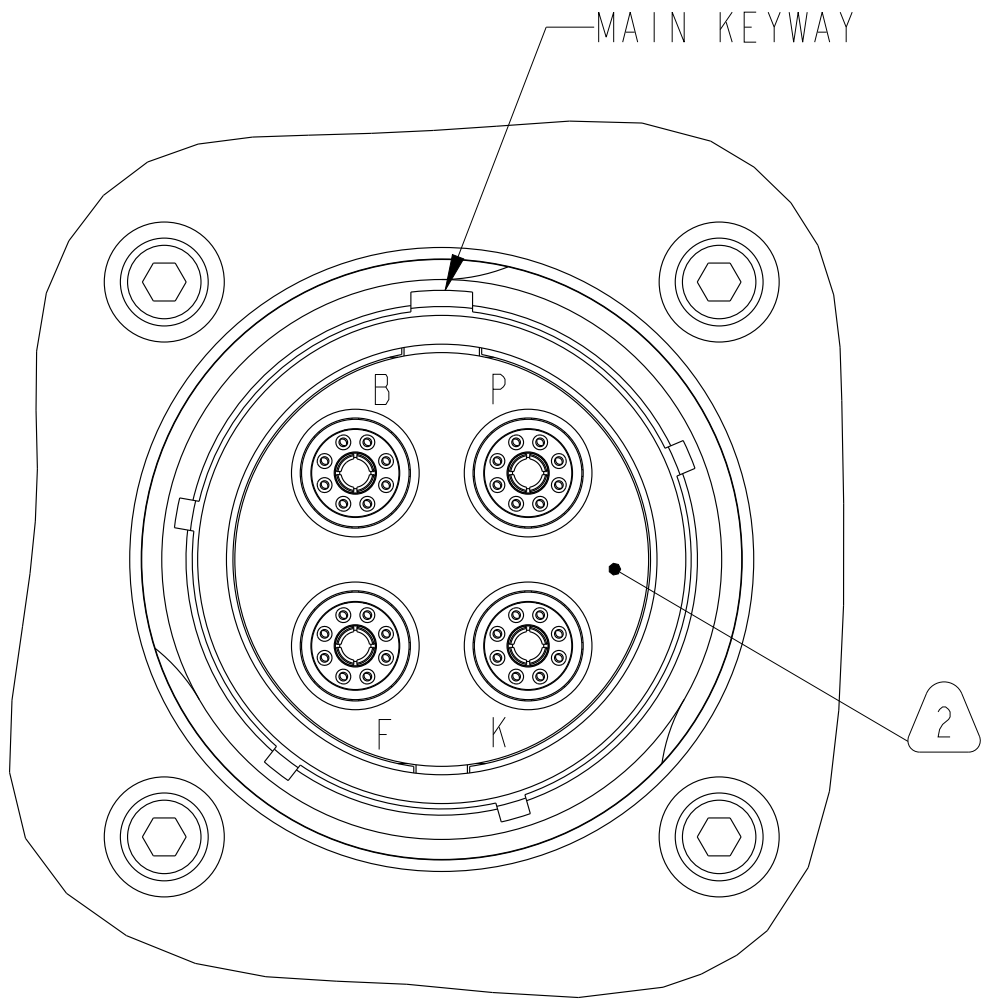
PRO/ENGINEER INFORMATION	
Pro/e Model Used:	
Drawing Name:	

UNLESS OTHERWISE SPECIFIED		SPECIFICATIONS		POS	QTY	PART NUMBER	DESCRIPTION	NOTE	
LINEAR DIMENSIONS ARE IN INCHES TOLERANCES: .XXXX = ±.0005 ANGLES= ±2° .XXX = ±.010 .XX = ±.03 .X = ±.1 ----- DIM. & TOL. PER ASME Y14.5M; DRM PER MIL-STD-31000; OTHER Amphenol Sids. PER 9-3800 LEGENDS: =FLAG NOTE CALL OUT REFERENCE ONLY 		MATERIAL SPEC.		APPROVALS		DATE	AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838		
		NONE		PREPARED BY		W. LEE			06-Apr-21
		PROCESS SPEC.		ENGINEER IN CHARGE		W. LEE			
				DESIGN MANAGER		J. ROTHROCK			
				DESIGN ACTIVITY GROUP		CI			
SEE NOTE 6		THIRD ANGLE PROJECTION				NETWORK SWITCH			
							12X 10GBase-T		
							SHADOWLORD DESTINY		
						SIZE	CAGE CODE	DOCUMENT NO.	REV.
						C	77820	CF-020400-076	P-2+
						SCALE: 1:0		REF. CF-020011-433	SHEET 1 OF 4

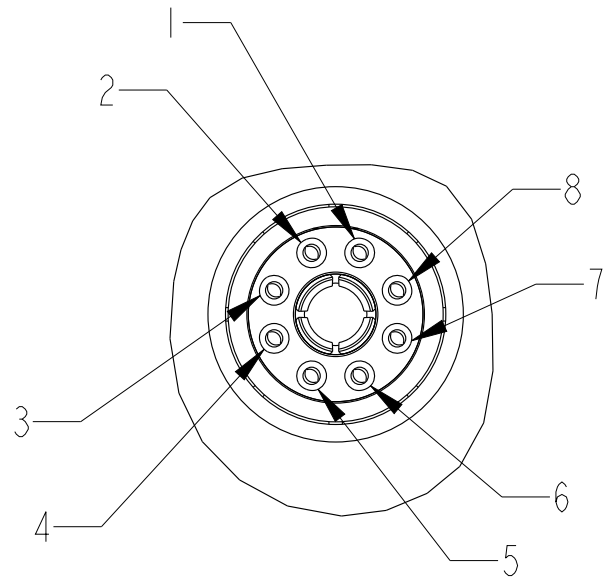
4		3		2		CF-020400-076 DOCUMENT NO.		SHEET 2 OF 4 REV. P-2+		
CF-020400-076 DOCUMENT NO.	CONNECTOR LIST					PRELIMINARY DRAWING REVISION: P-2+  FRONT ISOMETRIC VIEW SCALE 0.750  REAR ISOMETRIC VIEW SCALE 0.750				
	CONNECTOR DESIGNATOR	CONNECTOR PART NUMBER	CONTACT(S) USED	MATING CONNECTOR (OR EQUIVALENT)	MATING CONTACT (OR EQUIVALENT)					
	J1 POWER	10-646401-415N	(4X) 10-597502-205 SIZE 12 PIN	TV06RF-15-4S(LC)	SIZE 12 SOCKET M39029/56-353					
	J2 MAINTENANCE	10-646401-413N	(22X) 10-497628-105 SIZE 22D PIN	TV06RF-13-35S(LC)	SIZE 22D SOCKET M39029/56-348					
	J3 10GBASE-T	10-646402-742N	(8X) 21-032907-051 OCTONET SOCKET	TV06RQF-25-8S(LC)	21-032904-021 OCTONET, PIN COMPATIBLE W / PIC E6A3824 1000HM CABLE OR EQUIVALENT					
J4 10GBASE-T	10-646402-740N	(4X) 21-032907-051 OCTONET SOCKET	TV06RQF-19-ABS(LC)							
SHEET 2 OF 4 REV. P-2+	11. OPERATING TEMPERATURE: -40°C TO +85°C 10. WEIGHT: TBD LBS MAX. 9. INDICATED SURFACE SHALL BE PAINT FREE FOR ELECTRICAL BONDING. PAINT FREE SURFACE SHALL BE COATED WITH CONDUCTIVE FINISH SUCH AS ALODINE OR IRIDITE, COLOR YELLOW. 8. ASSEMBLY HOUSINGS ARE ALUMINUM ALLOY PAINTED BLACK PER FED-STD-595, COLOR# 37038. 7. CONNECTOR SHELLS ARE ELECTROLESS NICKEL PLATED ALUMINUM ALLOY. 6. PROCESS SPECS: 9-9172-3, 9-3856-5 5. MARKING ON LABEL MAY DIFFER FROM DRAWING BASED ON CUSTOMER SPECIFIC ORDER REQUIREMENTS. 4. PACKAGE PER PRODUCTION PROCESS SHEET. 3. MARK LABEL WITH "AMPHENOL", PART NUMBER AND 7 DIGIT SERIAL NUMBER AND ATTACH ON INDICATED SURFACE. SERIAL NUMBER PER 9-9172-3. EXAMPLE: AMPHENOL CF-020400-076 2131003 2. FOR INSERT ARRANGEMENT, SEE FOLLOWING DOCUMENTS. - J1 CONNECTOR: L-21814-4 - J2 CONNECTOR: L-21812-35 - J3 CONNECTOR: LQ-21824-8 - J4 CONNECTOR: LQ-21818-AB 1. ASSEMBLY CONTAINS ELECTROSTATIC DISCHARGE (ESD) SENSITIVE COMPONENTS. ASSEMBLY SHALL BE HANDLED, PACKAGED, AND SHIPPED TO MEET REQUIREMENTS OF ANSI/ESD-S-20.20 AND IPC-610 NOTES: THE USE OF THIS DOCUMENT IS UNLIMITED. HOWEVER, DOCUMENTS REFERENCED HEREON MAY CONTAIN LIMITED RIGHTS DATA.									
FORMAT: C-0-E-1-PRELIMINARY	DOCUMENT NO. CF-020400-076									
	SHEET 2 OF 4									
	REV. P-2+									
4		3		2		1				



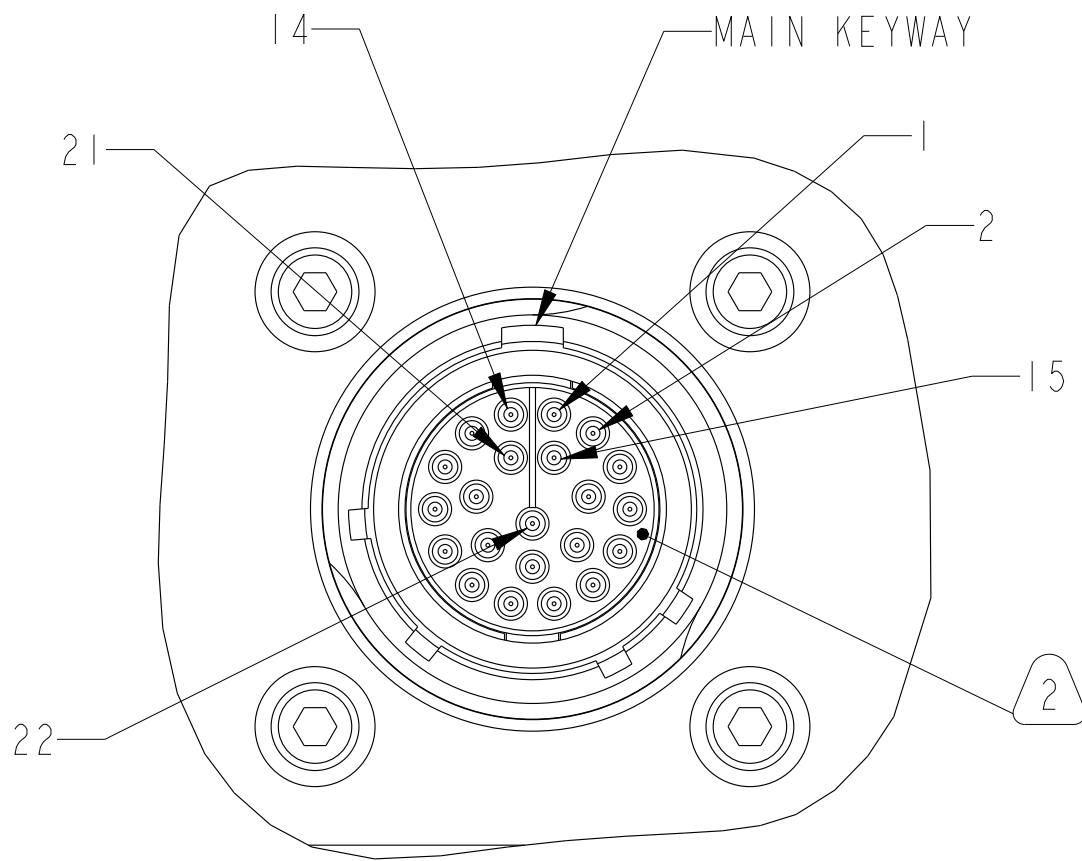
DETAIL C
J3
SCALE 2.500



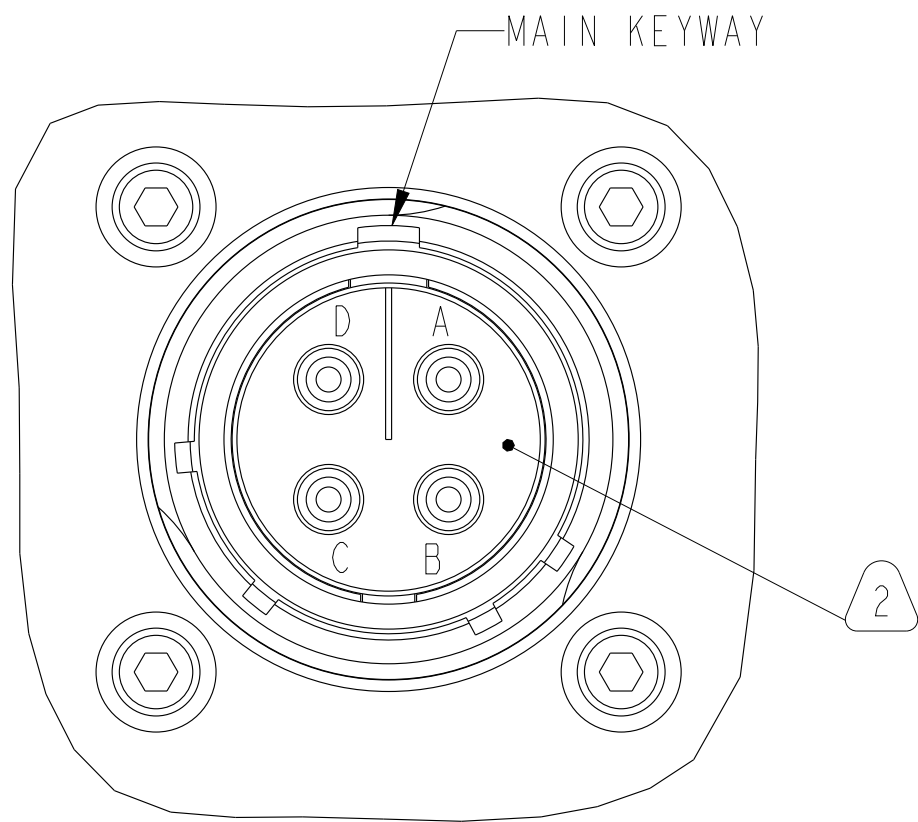
DETAIL D
J4
SCALE 2.500



DETAIL E
OCTONET
SCALE 5.000



DETAIL B
J2
SCALE 2.500



DETAIL A
J1
SCALE 2.500

PRELIMINARY
DRAWING
REVISION: P-2+

PRELIMINARY
DRAWING
REVISION: P-2+

SEE SHEET 2

NOTES:

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4				3				2				CF-020400-076 DOCUMENT NO.				SHEET 4 OF 4 REV. P-2+	
CF-020400-076 DOCUMENT NO.	I/O CHART			I/O CHART				I/O CHART								D	
	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	C				
SHEET 4 OF 4 REV. P-2+	J1 POWER 15-4P	A	IN	28VDC_IN	J3 10GBASE-T 25-8S	A-1	BI	PORT1_10GBASET_DA+	J3 10GBASE-T 25-8S	G-1	BI	PORT7_10GBASET_DA+					
		B	OUT	28VDC_RTN		A-2		PORT1_10GBASET_DA-		G-2		PORT7_10GBASET_DA-					
J2 MAINTENANCE 13-35P		C	--	SAFETY GROUND / CHASSIS		A-3		PORT1_10GBASET_DB+		G-3		PORT7_10GBASET_DB+					
		D	--	NOT CONNECTED		A-4		PORT1_10GBASET_DB-		G-4		PORT7_10GBASET_DB-					
		SHELL	--	CHASSIS		A-5		PORT1_10GBASET_DC+		G-5		PORT7_10GBASET_DC+					
	1	OUT	RS232_CONSOLE_TX	A-6		PORT1_10GBASET_DC-		G-6		PORT7_10GBASET_DC-							
	2	IN	RS232_CONSOLE_RX	A-7		PORT1_10GBASET_DD+		G-7		PORT7_10GBASET_DD+							
	3	--	RS232_CONSOLE_GND	A-8		PORT1_10GBASET_DD-		G-8		PORT7_10GBASET_DD-							
	4	IN	RESET	A-OUTER		--	CHASSIS	G-OUTER		--	CHASSIS						
	5	OUT	POWER SUPPLY STATUS	B-1		BI	PORT2_10GBASET_DA+	H-1		BI	PORT8_10GBASET_DA+						
	6	OUT	CHASSIS STATUS	B-2			PORT2_10GBASET_DA-	H-2			PORT8_10GBASET_DA-						
	7	OUT	TEMP WARNING STATUS	B-3			PORT2_10GBASET_DB+	H-3			PORT8_10GBASET_DB+						
	8	IN	DEBUG_I2C_SCL	B-4			PORT2_10GBASET_DB-	H-4			PORT8_10GBASET_DB-						
	9	BI	DEBUG_I2C_SDA	B-5			PORT2_10GBASET_DC+	H-5			PORT8_10GBASET_DC+						
	10	--	NOT CONNECTED	B-6			PORT2_10GBASET_DC-	H-6			PORT8_10GBASET_DC-						
	11	--	NOT CONNECTED	B-7			PORT2_10GBASET_DD+	H-7			PORT8_10GBASET_DD+						
	12	BI	DEBUG_CPU_USB_D+	B-8			PORT2_10GBASET_DD-	H-8			PORT8_10GBASET_DD-						
	13	BI	DEBUG_CPU_USB_D-	B-OUTER		--	CHASSIS	H-OUTER		--	CHASSIS						
	14	BI	DEBUG_CPU_1GBASET_DA+	C-1		BI	PORT3_10GBASET_DA+	B-1		BI	PORT9_10GBASET_DA+						
	15		DEBUG_CPU_1GBASET_DA-	C-2			PORT3_10GBASET_DA-	B-2			PORT9_10GBASET_DA-						
	16		DEBUG_CPU_1GBASET_DB+	C-3			PORT3_10GBASET_DB+	B-3			PORT9_10GBASET_DB+						
	17		DEBUG_CPU_1GBASET_DB-	C-4			PORT3_10GBASET_DB-	B-4			PORT9_10GBASET_DB-						
	18		DEBUG_CPU_1GBASET_DC+	C-5			PORT3_10GBASET_DC+	B-5			PORT9_10GBASET_DC+						
	19		DEBUG_CPU_1GBASET_DC-	C-6			PORT3_10GBASET_DC-	B-6			PORT9_10GBASET_DC-						
	20		DEBUG_CPU_1GBASET_DD+	C-7			PORT3_10GBASET_DD+	B-7			PORT9_10GBASET_DD+						
	21		DEBUG_CPU_1GBASET_DD-	C-8			PORT3_10GBASET_DD-	B-8			PORT9_10GBASET_DD-						
22	--	NOT CONNECTED	C-OUTER	--		CHASSIS	B-OUTER	--		CHASSIS							
SHELL	--	CHASSIS	D-1	BI		PORT4_10GBASET_DA+	F-1	BI		PORT10_10GBASET_DA+							
PRELIMINARY DRAWING REVISION: P-2+										D-2	PORT4_10GBASET_DA-	F-2		PORT10_10GBASET_DA-			
										D-3	PORT4_10GBASET_DB+	F-3		PORT10_10GBASET_DB+			
										D-4	PORT4_10GBASET_DB-	F-4		PORT10_10GBASET_DB-			
										D-5	PORT4_10GBASET_DC+	F-5		PORT10_10GBASET_DC+			
										D-6	PORT4_10GBASET_DC-	F-6		PORT10_10GBASET_DC-			
										D-7	PORT4_10GBASET_DD+	F-7		PORT10_10GBASET_DD+			
									D-8	PORT4_10GBASET_DD-	F-8	PORT10_10GBASET_DD-					
				D-OUTER	--			CHASSIS	F-OUTER	--	CHASSIS						
				E-1	BI			PORT5_10GBASET_DA+	K-1	BI	PORT11_10GBASET_DA+						
				E-2				PORT5_10GBASET_DA-	K-2		PORT11_10GBASET_DA-						
				E-3				PORT5_10GBASET_DB+	K-3		PORT11_10GBASET_DB+						
				E-4				PORT5_10GBASET_DB-	K-4		PORT11_10GBASET_DB-						
				E-5				PORT5_10GBASET_DC+	K-5		PORT11_10GBASET_DC+						
				E-6				PORT5_10GBASET_DC-	K-6		PORT11_10GBASET_DC-						
				E-7				PORT5_10GBASET_DD+	K-7		PORT11_10GBASET_DD+						
				E-8				PORT5_10GBASET_DD-	K-8		PORT11_10GBASET_DD-						
				E-OUTER	--			CHASSIS	K-OUTER	--	CHASSIS						
						F-1	BI	PORT6_10GBASET_DA+	P-1	BI	PORT12_10GBASET_DA+						
						F-2		PORT6_10GBASET_DA-	P-2		PORT12_10GBASET_DA-						
						F-3		PORT6_10GBASET_DB+	P-3		PORT12_10GBASET_DB+						
						F-4		PORT6_10GBASET_DB-	P-4		PORT12_10GBASET_DB-						
						F-5		PORT6_10GBASET_DC+	P-5		PORT12_10GBASET_DC+						
						F-6		PORT6_10GBASET_DC-	P-6		PORT12_10GBASET_DC-						
						F-7		PORT6_10GBASET_DD+	P-7		PORT12_10GBASET_DD+						
						F-8		PORT6_10GBASET_DD-	P-8		PORT12_10GBASET_DD-						
						F-OUTER	--	CHASSIS	P-OUTER	--	CHASSIS						
										SHELL	--	CHASSIS					
CF-020400-076 DOCUMENT NO.	I/O CHART			I/O CHART				I/O CHART								C	
	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME					
SHEET 4 OF 4 REV. P-2+	CF-020400-076 DOCUMENT NO.	I/O CHART			I/O CHART				I/O CHART								A
		CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME	CONNECTOR	PIN NO.	DATA DIRECTION	SIGNAL NAME				
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