

A		REV.
SHEET 1 OF 3		REV.
CF-020400-51X		REV.
M		REV.
REVISIONS		REV.
LTR	DESCRIPTION	DATE
A	INITIAL RELEASE	08/15/2022

CF-020400-51X

SHEET 1 OF 3

REV.

C

B

A

PART NUMBER

J2 CONNECTOR
KEY ROTATION

J3 CONNECTOR
KEY ROTATION

CF-020400-51N

N

N

MAIN KEYWAY

PIN CONTACT
SIZE 22D
10-497628-225
OR EQUIVALENT
6 PLACES

J2

CONNECTOR, RECEPTACLE
TVP00DT-9-35P
OR EQUIVALENT

J2

(.584)

3

CONNECTOR, RECEPTACLE
CF-020400-51NA
OR EQUIVALENT

J3

.204 MAX
PANEL THICKNESS

(1.495)

3

(2.875)

(2.125)

1.500
TYP

J3

12

SEE DETAIL B

(1.438)

4-40 UNC-2B
LOCKING HELICAL INSERT
▽.325 MIN
⌀.005M
4 PLACES



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
SENSITIVE
DEVICES

SEE SHEET 3

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

RELEASED / Aug. 23 2022, 3:06:51 PM

CF-020400-51X

SHEET 1 OF 3

REV.
A

NONE

NEXT ASSEMBLY

PRO/ENGINEER INFORMATION
Pro/e Model Used:
CF-020400-51X.ASSEM
Drawing Name:
CF-020400-51X

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 Sds. PER 9-3800 LEGENDS: =FLAG NOTE CALL OUT REFERENCE ONLY		MATERIAL SPEC.		PARTS LIST				
		NONE		APPROVALS				
		PROCESS SPEC.		DATE				
		SEE NOTE 8		THIRD ANGLE PROJECTION				
				AMPHENOL CORPORATION 40-60 DELAWARE AVENUE SIDNEY, N.Y. 13838				
				ETHERNET SWITCH 4 PORTS				
				SIZE C	CAGE CODE 77820	DOCUMENT NO. CF-020400-51X	REV. A	
				SCALE: 1.5		REF. CF-020011-32X		SHEET 1 OF 3

SHEET 1 OF 3

CF-020400-51X

U

0

A

Eng PDM Information
For Reference Only

REV.

SHEET 1 OF 3

CF-020400-51X

4

3

2

REV. A

SHEET 2 OF 3

DOCUMENT NO. CF-020400-51X

DOCUMENT NO. CF-020400-51X

SHEET 2 OF 3

REV. A

CF-020400-51X

7

ID	DESCRIPTION	FIBER TYPE
A	CH_1_100BASE-FX_TX	50/125 MULTI-MODE 1300nm
B	CH_1_100BASE-FX_RX	
C	CH_2_100BASE-FX_TX	
D	CH_2_100BASE-FX_RX	50/125 MULTI-MODE 850nm
E	CH_3_1GBASE-SX_TX	
F	CH_3_1GBASE-SX_RX	
G	CH_4_1GBASE-SX_TX	
H	CH_4_1GBASE-SX_RX	

J2 CONNECTOR	
ID	DESCRIPTION
1	CHASSIS_GND
2	CHASSIS_GND
3	CHASSIS_GND
4	CHASSIS_GND
5	28VDC
6	28VDC_RTN

MAIN KEYWAY

CTF-QUAD TOSA
1300nm MULTI-MODE
CF-170900-024
2 PLACES
CAVITY A,C

CTF-QUAD ROSA
1300nm MULTI-MODE
CF-170900-025
2 PLACES
CAVITY B,D

CTF-QUAD ROSA
850nm MULTI-MODE
CF-170900-001
CAVITY F,H

CTF-QUAD TOSA
850nm MULTI-MODE
CF-170900-000
CAVITY E,G

13

DETAIL B

J3 CONNECTOR

SCALE 3.000

SEE SHEET 3

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

RELEASED / Aug. 23 2022, 3:06:51 PM

1

2

3

REV. A

SHEET 2 OF 3

DOCUMENT NO. CF-020400-51X

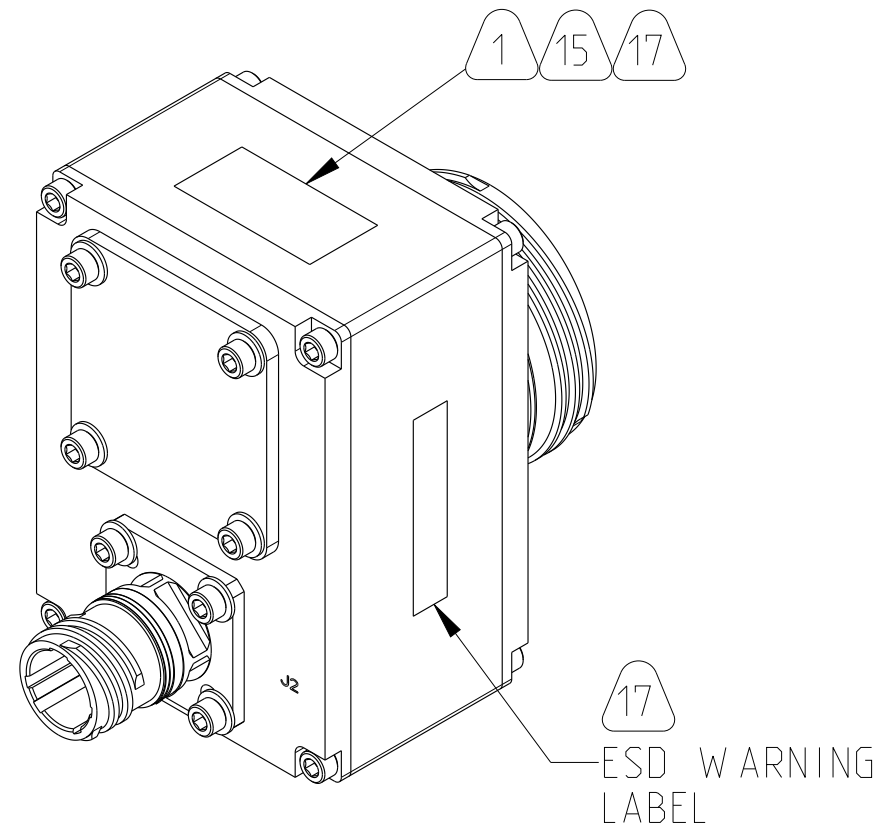
SCALE: 1.5

REF: CF-020011-32X

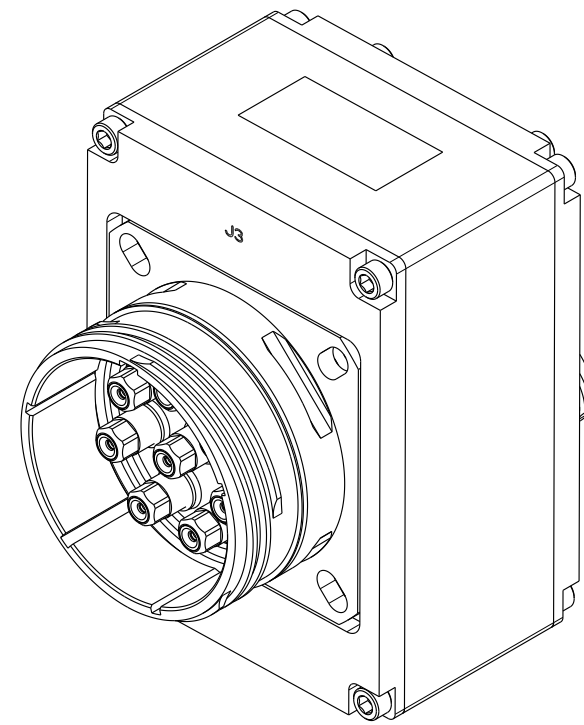
SHEET 2 OF 3

REV. A

DOCUMENT NO. CF-020400-51X



FRONT ISOMETRIC VIEW
SCALE 1.000



REAR ISOMETRIC VIEW
SCALE 1.000

10. APPROXIMATE WEIGHT: 272 GRAMS

9. CONVERTER HOUSING AND CONNECTOR SHELLS ARE NI-PTFE (DURMALON) PLATED ALUMINUM ALLOY.

8. PROCESS SPEC: 9-3856-5, 9-9172-3

7. SEE J3 CONNECTOR I/O TABLE FOR COMPATIBLE FIBER TYPES.

6. PACKAGE PER PRODUCTION PROCESS SHEET.

5. MARKING DATA MAY DIFFER FROM DRAWING BASED ON CUSTOMER SPECIFIC ORDER REQUIREMENTS.

4. 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-A-610.

3. PROTECTIVE CAPS SHALL BE INSTALLED PRIOR TO SHIPPING.

2. PACKAGE LABEL SHALL CONTAIN THE SAME INFORMATION SHOWN IN NOTE 1.

1. MARK LABEL "AMPHENOL", PART NUMBER AND SEVEN DIGIT SERIAL NUMBER AND ATTACH ON INDICATED SURFACE. SERIAL NUMBER PER 9-9172-3.

EXAMPLE: FOR NORMAL KEY CONVERTER NUMBER 8 BUILT ON AUG 19, 2022

AMPHENOL
CF-020400-51N
2233008

NOTES:

THE USE OF THIS DOCUMENT IS UNLIMITED.
HOWEVER, DOCUMENTS REFERENCED HEREON
MAY CONTAIN LIMITED RIGHTS DATA.

RELEASED / Aug. 23 2022, 3:06:51 PM

DOCUMENT NO.
CF-020400-51X

SHEET 3 OF 3

REV
A

17. BRADY B-103 CLEAR LAMINATING APPLIED TO INDICATED LABEL.

16. OPERATING TEMPERATURE: -40°C TO 70°C
STORAGE TEMPERATURE: -55°C TO 85°C

15. LABEL MATERIAL:
POLYESTER WITH PERMANENT ACRYLIC ADHESIVE
BRADY B-422

14. MATING CONNECTOR REFERENCE:
 J2 MATING CONNECTOR: TV06DT-9-35S OR EQUIVALENT
 J3 MATING CONNECTOR: TV06QDT-25-8S(LC) OR EQUIVALENT
 J3 MATING CONTACT:
 CF-198149-128 ARINC801 FOR TIGHT STRUCTURE FIBER
 WITH CF-198201-000 ARINC801 ADAPTER

13. FOR INSERT ARRANGEMENT, SEE FOLLOWING DOCUMENTS.
J2 CONNECTOR: L-21808-35
J3 CONNECTOR: LQ-21824-8

12. J2 AND J3 CONNECTOR DESIGNATORS SHALL BE STAMPED IN CONTRASTING COLOR PER 9-3856-5. LOCATION OF DESIGNATORS SHALL BE APPROXIMATELY AS SHOWN. .075" MINIMUM LETTER HEIGHT.

11. USE OF LEAD-FREE SOLDER IS PROHIBITED.

SIZE C	CAGE CODE 77820	DOCUMENT NO. CF-020400-51X	REV. A
SCALE: 1.5		REF: CF-020011-32X	SHEET 3 OF 3