

PART NO. VARIABLES:

MTCPQKTXXXXXXX

- KEYING CODE AA THRU DD (SEE TABLE I)
- G = SHIELD GROUND BUS BAR & GROUND BLOCK INSTALLED (SEE TABLE II FOR THE RECOMMENDED GROUND BLOCK PART NUMBERS)

F = NO SHIELD GROUND BUS BAR OR GROUND BLOCK
- P = PIN INSERT (SEE TABLE III FOR THE RECOMMENDED PIN CONTACT PART NUMBERS)

S = SOCKET INSERT (SEE TABLE III FOR THE RECOMMENDED SOCKET CONTACT PART NUMBERS)

N = NO CONTACTS
- 0 = NO INSERTS

2 = 1" CONNECTOR, INSERT SIZE 22 (SEE TABLE IV)

6 = 1" CONNECTOR, INSERT SIZE 16 (SEE TABLE IV)

22 = 2" CONNECTOR, INSERTS SIZE 22 PRIMARY & SECONDARY (SEE TABLE IV)

26 = 2" CONNECTOR, INSERTS SIZE 22 PRIMARY & SIZE 16 SECONDARY (SEE TABLE IV)

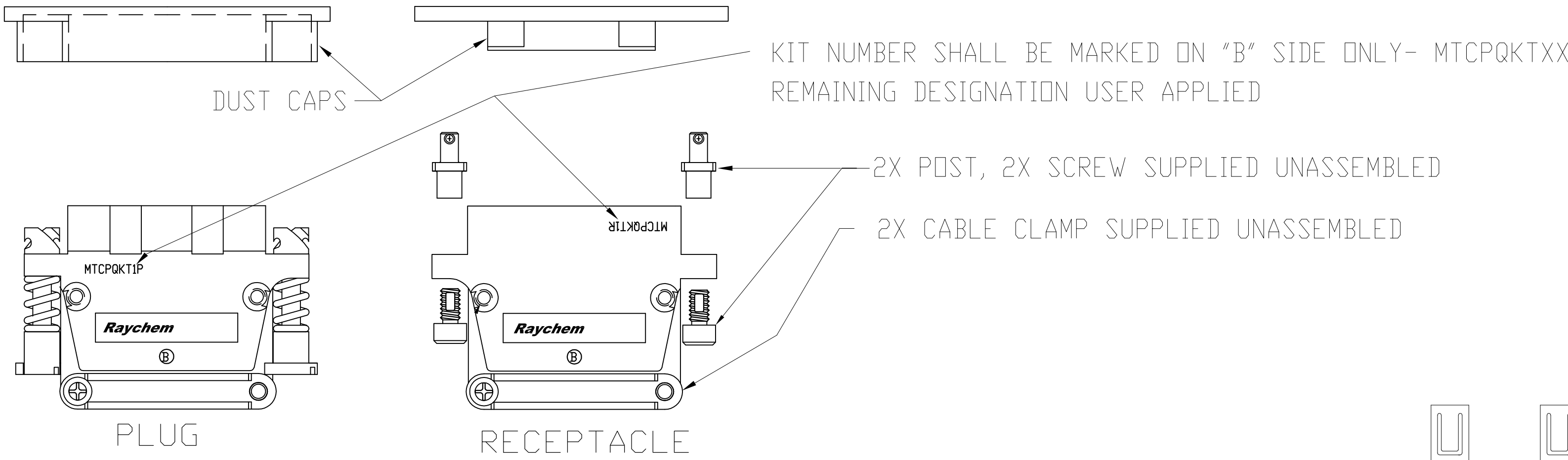
62 = 2" CONNECTOR, INSERTS SIZE 16 PRIMARY & SIZE 22 SECONDARY (SEE TABLE IV)

66 = 2" CONNECTOR, INSERTS SIZE 16 PRIMARY & SECONDARY (SEE TABLE IV)
- P = PLUG

R = RECEPTACLE

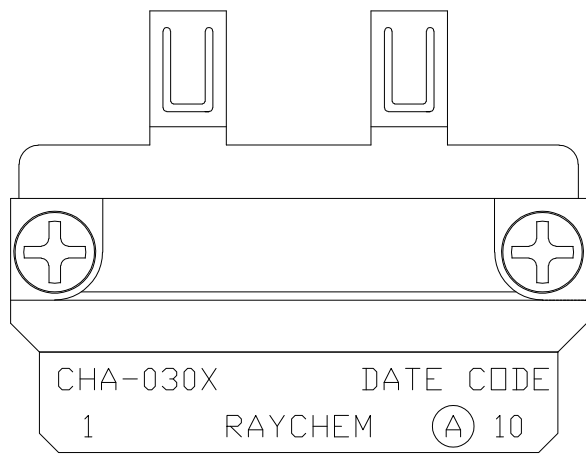
F = FLENGED RECEPTACLE
- SEE TABLE V
- 1 = 1" INCH CONNECTOR

2 = 2" INCH CONNECTOR
- KIT
- MTC CONNECTOR, POWER BLOCK, QUICK DISCONNECT

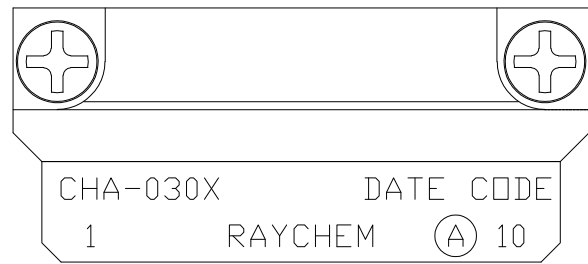


PERFORMANCE

MTCPQ MEETS RAYCHEM SPECIFICATION C-6114.
DESIGNED TO MEET ARINC-600 ENVIRONMENTAL REQUIREMENTS.



PLUG



RECEPTACLE

GROUNDING BLOCK
(I-INCH SHOWN)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.C.THOMAS 20APR2015	TE Connectivity	
DIMENSIONS: INCHES		CHK M. SPICER 4-20-15		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M. SPICER 4-20-15	NAME	
	0 PLC ± .	PRODUCT SPEC	MTCP POWER BLOCK QUICK DISCONNECT CONNECTOR KIT	
	1 PLC ± .	APPLICATION SPEC		
	2 PLC ± .	—		
MATERIAL		WEIGHT	SIZE	CAGE CODE
FINISH		—	A1	06090
CUSTOMER DRAWING		SCALE	NTS	SHEET
			1	OF 3
			REV	L

TABLE II: SHIELD GROUNDING

	<u>1" ACCESSORY CONTACTS</u>	<u>2" ACCESSORY CONTACTS</u>
PLUG	1X CHA-0307 OR <u>1X CHA-0303</u> 10X M39029/58-360	1X CHA-0308 OR <u>1X CHA-0304</u> 20X M39029/58-360
RECEPTACLE	1X CHA-0305 OR <u>1X CHA-0301</u> 10X M39029/58-360	1X CHA-0306 OR <u>1X CHA-0302</u> 20X M39029/58-360

TABLE III: MTCP CRIMP CONTACTS

	SIZE	RAYCHEM P/N	MILITARY P/N
PIN	16	CTA-0079	M39029/58-364
	22	CTA-0166	
SOCKET	16	CTA-0078	M39029/57-358
	22	CTA-0165	

2 GROUNDING BLOCKS ARE INSTALLED WITH A TIGHTENING TORQUE OF 8.0±0.4 INCH-POUNDS.

