

4

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PART NO. VARIABLES:

MTC PQKT XXXXXXXX

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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
G	REVISED PER DCR C050372	April/20/05	M.HIGGY
H	REVISED PER DCR# C080771	Sep/19/06	M.HIGGY
J	REVISED PER DCR# C070085	March/19/07	M.HIGGY
K	PER ECO-08-012818	May/27/08	M.HIGGY

KEYING CODE AA THRU DD (SEE TABLE I)

1
G = SHIELD GROUND BUS BAR & GROUND BLOCK (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)

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

DUST CAPS

KIT NUMBER SHALL BE MARKED ON "B" SIDE ONLY- MTC PQKTXX
REMAINING DESIGNATION USER APPLIED

2X POST, 2X SCREW SUPPLIED UNASSEMBLED

2X CABLE CLAMP SUPPLIED UNASSEMBLED

PLUG

RECEPTACLE

PERFORMANCE

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

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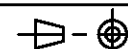
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
METRIC DIMENSIONS ARE
IN BRACKETS.

DECIMALS
.XXX ±.005 { .13 mm }
.XX ±.02 { .5 mm }

ANGLES

.X ±

WEIGHT:

DRAWN	T.SEATON	21AUG96
CHECKED		
APPROVED	P.DUTTON	21AUG96
REVISED	ZS.ORBAN	APR/12/05
CAD NAME	MTC PQKT XXXXXXXX	
THIRD ANGLE PROJECTION		

CUSTOMER DRAWING

 Tyco Electronics		Raychem Interconnect 300 Constitution Drive Menlo Park, CA 94025 U.S.A.	
TITLE MTC PQ POWER BLOCK QUICK DISCONNECT CONNECTOR KIT			
SIZE C	CAGE CODE: 06090	DWG. NO. MTC PQKTXXXXXXXX	REV K
SCALE: NONE		SHEET 1 OF 3	

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MTC PQKT XXXXXXXX

A

D

C

A

K

SHEET 1 OF 3

A

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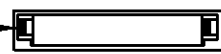
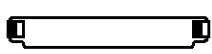
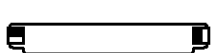
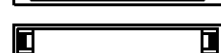
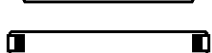
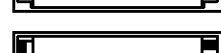
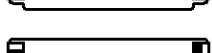
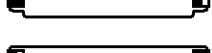
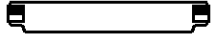
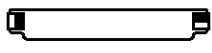
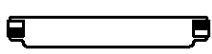
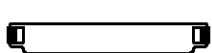
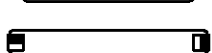
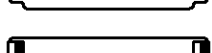
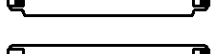
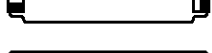
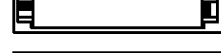
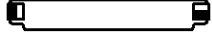
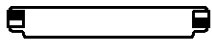
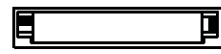
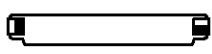
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TABLE I: KEYING CODES

POSITION OF PROJECTING TAB (TYP)

	-A A-	
	-A B-	
	-A C-	
	-A D-	
	-B A-	
	-B B-	
	-B C-	
	-B D-	
	-C A-	
	-C B-	
	-C C-	
	-C D-	
	-D A-	
	-D B-	
	-D C-	
	-D D-	
	-X X-	

RECEPTACLE

CODE

PLUG



TABLE II: SHIELD GROUNDING

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



ITEM'S SHOWN IN TABLE II AND III ARE NOT INCLUDED IN THE KIT.
CUSTOMER HAS TO BUY THEM SEPARATELY.



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	

CUSTOMER DRAWING

SIZE C	CAGE CODE: 06090	DWG. NO. MTCPQKTXXXXXXXXX	REV K
SCALE: NONE		CAD NAME: MTCPQKT0000000X	SHEET 2 OF 3

