

REVISIONS				
P	LTR	DESCRIPTION	DATE	OWN
M	REV PER ECO	17-012253	8-28-17	CT DC

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
- 1 = 1" INCH CONNECTOR
- 2 = 2" INCH CONNECTOR
- KIT
- MTC CONNECTOR, POWER BLOCK, QUICK DISCONNECT

SEE TABLE V



PERFORMANCE

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



PLUG



RECEPTACLE

GROUNDING BLOCK
(1-INCH SHOWN)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN C.C.THOMAS 4-20-15	20APR2015		 TE Connectivity
DIMENSIONS: INCHES		CHK M. SPICER	4-20-15		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. SPICER	4-20-15		NAME MTCP POWER BLOCK QUICK DISCONNECT CONNECTOR KIT
0. PLC ± - 1. PLC ± - 2. PLC ± - 3. PLC ± - 4. PLC ± - ANGLES ± -		APPLICATION SPEC		SIZE A1	RESTRICTED TO
MATERIAL		WEIGHT 0		SCALE NTS	SHEET 1 OF 3
CUSTOMER DRAWING		DRAWING NO. 06090		REV M	

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

CONTACTS 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	

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: C.C.THOMAS 20APR2015	TE Connectivity	
DIMENSIONS: INCHES		CHK: M. SPICER 4-20-15	NAME: MTCP POWER BLOCK QUICK DISCONNECT CONNECTOR KIT	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: M. SPICER 4-20-15	RESTRICTED TO: -	
0. PLC ± .005	1. PLC ± .005	PRODUCT SPEC: -	SIZE: A1	
2. PLC ± .005	3. PLC ± .005	APPLICATION SPEC: -	CAGE CODE: 06090	
4. PLC ± .005	ANGLES ± .005	WEIGHT: -	DRAWING NO: MTCPQKXXXXXXXX	
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	SCALE: NTS	SHEET 2 OF 3 REV M

TABLE IV: MTCP CRIMP INSERTS					
CODE	GENDER	CONN. SIZE	CONTACT SIZE	TYPE	PART NUMBER
2	PIN	1 INCH	22	--	MTCP-122-20PQ
	SOCKET	1 INCH	22	--	MTCP-122-20S
6	PIN	1 INCH	16	--	MTCP-116-05P1 (*)
	SOCKET	1 INCH	16	--	MTCP-116-05S1 (*)
22	PIN	2 INCH	22	PRIMARY	MTCP-122-20PQ1
	SOCKET	2 INCH	22	PRIMARY	MTCP-122-20S1
	PIN	2 INCH	22	SECONDARY	MTCP-122-20PQ2
	SOCKET	2 INCH	22	SECONDARY	MTCP-122-20S2
26	PIN	2 INCH	22	PRIMARY	MTCP-122-20PQ1
	SOCKET	2 INCH	22	PRIMARY	MTCP-122-20S1
	PIN	2 INCH	16	SECONDARY	MTCP-116-05P2
	SOCKET	2 INCH	16	SECONDARY	MTCP-116-05S2
62	PIN	2 INCH	16	PRIMARY	MTCP-116-05P1
	SOCKET	2 INCH	16	PRIMARY	MTCP-116-05S1
	PIN	2 INCH	22	SECONDARY	MTCP-122-20PQ2
	SOCKET	2 INCH	22	SECONDARY	MTCP-122-20S2
66	PIN	2 INCH	16	PRIMARY	MTCP-116-05P1
	SOCKET	2 INCH	16	PRIMARY	MTCP-116-05S1
	PIN	2 INCH	16	SECONDARY	MTCP-116-05P2
	SOCKET	2 INCH	16	SECONDARY	MTCP-116-05S2

(*) SIZE 16 INSERTS FOR THE 1" < ONE INCH > SHELL ARE IDENTICAL TO THE PRIMARY INSERTS FOR THE 2" < TWO INCH > SHELL. THIS APPLIES TO THE PLUG AND RECEPTACLE CONFIGURATION OF SIZE 16 INSERTS.

TABLE V: MTCP CONNECTOR SHELLS		
SHELL	SIZE	PART NUMBER
PLUG	1"	MTC100Q-SH1-P22*
	2"	MTC100Q-SH2-P22*
RECEP.	1"	MTC100Q-SH1-R22*
	2"	MTC100Q-SH2-R22*
RECEP.	1"	MTC100Q-SH1-F22*
	2"	

* "B" SIDE MARKING

MTCP CRIMP CONNECTOR TOOLS				
COMPONENT	SIZE	TOOL TYPE	TOOL P/N	MANUFACTURER
INSERTS	22	INS./EXTR. METAL	CTA-0161	RAYCHEM CORP.
	16	INS./EXTR. METAL	CTA-0161	RAYCHEM CORP.
CONTACTS	22	INS./EXTR. PLASTIC	CTA-1160	RAYCHEM CORP.
	22	EXTRACTION METAL	ATBD 2062	ASTRO TOOL CO.
	22	INSERTION METAL	ATBD 1062	ASTRO TOOL CO.
	16	INS./EXTR. PLASTIC	M81969/14-03	MIL. SPEC.
	16	EXTRACTION METAL	DRK83-16	DANIELS MFG. CO.
	16	INSERTION METAL	DAK83-16	DANIELS MFG. CO.
	22	CRIMP BASIC	M22520/2-01	MIL. SPEC.
	22	PIN POSITIONER	CE-1605900	RAYCHEM CORP.
			K817-11	DANIELS MFG. CO.
	22	SOCKET POSITIONER	CE-1606000	RAYCHEM CORP.
			K818-11	DANIELS MFG. CO.
	16	CRIMP BASIC	M22520/1-01	MIL. SPEC.
	16	PIN POSITIONER	M22520/1-04	MIL. SPEC.
	16	SOCKET POSITIONER	M22520/1-04	MIL. SPEC.

RECEPTACLE SHELL COUPLING ATTACHMENT SCREW = 7/64 ALLEN WRENCH
 PLUG SHELL COUPLING DRIVER = 7/64 ALLEN OR FLAT BLADE SCREWDRIVER
 STRAIN RELIEF CABLE CLAMPS = #1 PHILLIPS SCREWDRIVER

GROUNDING BLOCK CONNECTOR				
CONTACTS	SIZE	TOOL TYPE	TOOL P/N	MANUFACTURER
	22D	INS./EXTR. PLASTIC	M81969/14-01	MIL. SPEC.
	22D	CRIMP BASIC	M22520/2-01	MIL. SPEC.
	22D	PIN POSITIONER	M22520/2-09	MIL. SPEC.

GROUNDING BLOCK ATTACHMENT SCREW = #1 PHILLIPS SCREWDRIVER

TABLE VI: DUST CAPS		
USED WITH	SIZE	PART NUMBER
PLUG	1"	D-659-0060
	2"	D-659-0062
RECEP.	1"	CHA-1603
	2"	CHA-1604

THIS DRAWING IS A CONTROLLED DOCUMENT.		DIN C.C.THOMAS 4-20-15	 TE Connectivity	
DIMENSIONS: INCHES		CHK M. SPICER 4-20-15	NAME	
		APPV M. SPICER 4-20-15	PRODUCT SPEC	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		
0. PLC ± .005		SIZE		
1. PLC ± .005		CAGE CODE		
2. PLC ± .005		DRAWING NO		
3. PLC ± .005		RESTRICTED TO		
4. PLC ± .005		WEIGHT		
ANGLES ± .005		A1 06090		
MATERIAL		CUSTOMER DRAWING		
FINISH		SCALE NTS		
		SHEET 3 OF 3		
		REV M		

MTCP POWER BLOCK QUICK DISCONNECT CONNECTOR KIT

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Rack & Panel Connectors](#) category:

Click to view products by [TE Connectivity](#) manufacturer:

Other Similar products are found below :

[00170420102](#) [00171410002](#) [00171420202](#) [00171440002](#) [008026165000265](#) [00-8219-072-000-112P44](#) [008219072000112P5](#)
[008219072000112P61](#) [00-8223-096-580-102](#) [02-014-013-5200-000](#) [00-8129-015-610-108](#) [613467-000](#) [CTJ112E01E-513](#) [CTJ116E03A-513](#)
[CTJ720E01B-513 L/C](#) [M81714/63-22S L/C](#) [M81714/65-12-1](#) [66020-2](#) [CW8958-000](#) [699886-000](#) [D250-50632](#) [70.400.3240.0](#) [70.955.2453.3](#)
[733753-000](#) [F22831-000](#) [780-522-DPX34RG8-02](#) [MMA25-0051R1](#) [MMA25-0341D1](#) [8660-501](#) [87.060.0053.0](#) [900709N001](#) [QRP4-12P-](#)
[C\(01\)](#) [QR/P6-6S-C\(01\)](#) [AC-600003-004](#) [1218600-1](#) [D-659-0061](#) [DMC-MD 24 C-T](#) [1-445717-6](#) [1484398-2](#) [1484399-2](#) [1484469-2](#) [MR-](#)
[34MG](#) [1484225-1](#) [1484398-1](#) [1484510-4](#) [1604997-2](#) [1663130-1](#) [1663767-7](#) [1663767-8](#) [MTC100-BF1-P31CS015](#)