

4805 (1/15)

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G = SHIELD GROUND BUS BAR & GROUND BLOCK INSTALLED (SEE TABLE II FOR THE RECOMMENDED GROUND BLOCK PART NUMBERS)

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)

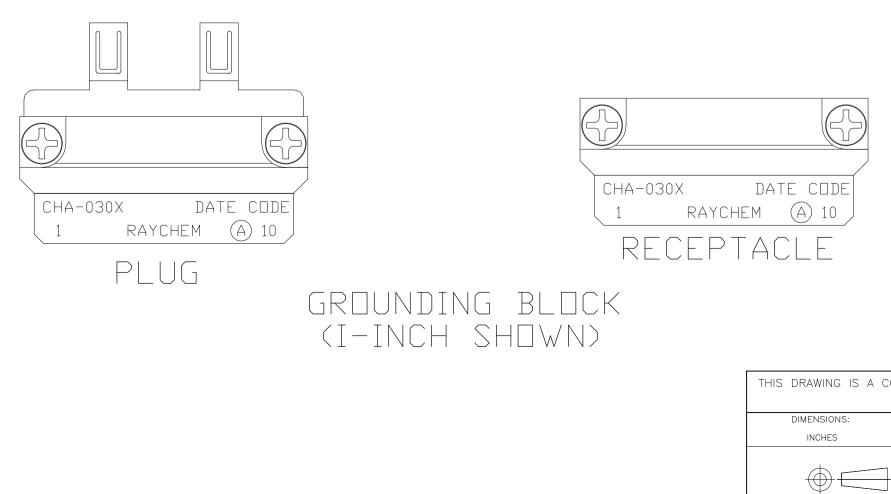
- 22 = 2″ CONNECTOR, INSERTS SIZE 22 PRIMARY & SECONDARY (SEE TABLE IV) - 26 = 2″ CONNECTOR, INSERTS SIZE 22 PRIMARY & SIZE 16 SECONDARY (SEE TABLE IV) - 62 = 2" CONNECTOR, INSERTS SIZE 16 PRIMARY & SIZE 22 SECONDARY (SEE TABLE IV) └── 66 = 2″ CONNECTOR, INSERTS SIZE 16 PRIMARY & SECONDARY (SEE TABLE IV)

> SEE TABLE V

KIT NUMBER SHALL BE MARKED ON "B" SIDE ONLY- MTCPQKTXX

-2X POST, 2X SCREW SUPPLIED UNASSEMBLED

2X CABLE CLAMP SUPPLIED UNASSEMBLED



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			REVISIONS			
	Р	LTR	DESCRIPTION	DATE	DWN	APVD
		М	REV PER ECO 17-012253	8-28-17	СТ	DC
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CONTROLLED DOCUMENT.			<u>C.C.THOMAS</u> снк М. SPICER	4-20-15		4	e te	TE	Conne	ctivity		
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± - 2 PLC ± -					name MTCP POWER BLOCK QUICK DISCONNECT CONNECTOR KIT —						
	3 PLC 4 PLC ANGLES FINISH	± - ± - ± -			SIZE	CAGE CODE					RESTRICTED	то
		_	CUSTOMER DF	RAWING	AI	06090		CPQKTXXX <sup>scale</sup> NTS	XXXXX Sheet	1 <sup>of</sup>		_

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TABLE I: KEYING CODES									
POSITION OF	PROJECT	ING TAI	3 (TYP)						
	$- \land \land -$								
	-A B-								
	-A $C-$								
	-A D-								
	-B A-								
	-B B-								
	-B C-								
	-B D-								
	$ \bigcirc$ $\land$ $-$								
	-C B-								
	- C C -								
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E UNKEYED D	$- \times \times -$	Q UNKE	IYED D						
RECEPTACLE									

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			– SEE SHEET 1			·	
							[
	ABLE II: SHIELD GROUND						
	ADLE II. SITILLO GROUND						
		ACCESORY					
	CONTACTS C	CONTACTS					
		CHA-0308					
PLUG	DR 1x cha-0303 <u>1x c</u>	OR CHA-0304					
	10X M39029/58-360 20X M3	39029/58-360					
		CHA-0306					
RECEPTACLE	OR 1x CHA-0301 1x	OR CHA-0302					(
1	.0X M39029/58-360 20X M3	39029/58-360					

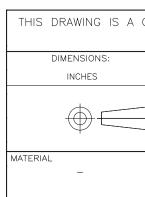
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CONTACTS SHOWN IN TABLE II AND III ARE NOT INCLUDED IN THE KIT. CUSTOMER HAS TO BUY THEM SEPARATELY,

	TABLE III: MTCP CRIMP CONTACTS							
	SIZE	RAYCHEM P/N	MILITARY P/N					
PIN	16	CTA-0079	M39029/58-364					
	22	CTA-0166						
	16	CTA-0078	M39029/57-358					
SOCKET	22	CTA-0165						



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



CONTROLLED DOCUMENT.		DWN C.C.THOMAS	20APR2015		_	e te	TF	Conne	ectivity	/
		снк M. SPICER	4-20-15					Conne	sourity	
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	apvd M. SPICER	4-20-15	NAME		MTCP PO	OWER BLOC	CK OUI	СК	
	0 PLC ± - 1 PLC ± -	PRODUCT SPEC					ECT CONNE			
	2 PLC ± - 3 PLC ± -									
	4 PLC ± – ANGLES ± –	_		SIZE	CAGE CODE	DRAWING NO				RESTRICTED TO
	FINISH _	WEIGHT		A 1	06090	$\mathbb{C}$ -MT(	CPQKTXX	XXXX	XX	_
		CUSTOMER DR	AWING				<sup>scale</sup> NTS	SHEET	2 <sup>OF</sup>	3 <sup>REV</sup> M

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CODE	GENDER	CONN, SIZE	CONTACT SIZE	TYPE	PART NUMBER
2	PIN	1 INCH	22		MTCP-122-20PQ
<u> </u>	SOCKET	1 INCH	22		MTCP-122-20S
6	PIN	1 INCH	16		MTCP-116-05P1 (*)
0	SOCKET	1 INCH	16		MTCP-116-05S1 (*)
	PIN	2 INCH	22	PRIMARY	MTCP-122-20PQ1
22	SOCKET	2 INCH	22	PRIMARY	MTCP-122-20S1
	PIN	2 INCH	22	SECONDARY	MTCP-122-20PQ2
	SOCKET	2 INCH	22	SECONDARY	MTCP-122-20S2
	PIN	2 INCH	22	PRIMARY	MTCP-122-20PQ1
26	SOCKET	2 INCH	22	PRIMARY	MTCP-122-20S1
	PIN	2 INCH	16	SECONDARY	MTCP-116-05P2
	SOCKET	2 INCH	16	SECONDARY	MTCP-116-05S2
	PIN	2 INCH	16	PRIMARY	MTCP-116-05P1
62	SOCKET	2 INCH	16	PRIMARY	MTCP-116-05S1
	PIN	2 INCH	22	SECONDARY	MTCP-122-20PQ2
	SOCKET	2 INCH	22	SECONDARY	MTCP-122-20S2
	PIN	2 INCH	16	PRIMARY	MTCP-116-05P1
66	SOCKET	2 INCH	16	PRIMARY	MTCP-116-05S1
_	PIN	2 INCH	16	SECONDARY	MTCP-116-05P2
	SOCKET	2 INCH	16	SECONDARY	MTCP-116-05S2

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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*						
REUEF,	2″							

\* "B" SIDE MARKING

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MTCP CRIMP CONNECTOR	TOO
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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. PLASTI	с СТА-1160	RAYCHEM CORP.				
	22	EXTRACTION METAL	ATBO 2062	ASTRO TOOL CO.				
	22	INSERTION METAL	ATBO 1062	ASTRO TOOL CO.				
	16	INS./EXTR. PLASTI	CM81969/14-03	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 SHEL	L COU	PLING ATTACHMENT S	SCREW = 7/64 4	ALLEN WRENCH				
PLUG SHELL COUPLING DRIVER = 7/64 ALLEN OR FLAT BLADE SCREWDRIVER								
STRAIN RELIEF C	STRAIN RELIEF CABLE CLAMPS = #1 PHILLIPS SCREWDRI∨ER							

## **GROUNDING BLOCK CONNECTOR**

CONTAC	TS	55D	INS./EXTR. PLASTI	M81969/14-01	MIL, SPEC,				
		55D	CRIMP BASIC	M22520/2-01	MIL, SPEC,				
22D P			PIN POSITIONER	M22520/2-09	MIL, SPEC,				
GROUNDING BLOCK ATTACHMENT SCREW = #1 PHILLIPS SCREWDRIVER									

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

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		снк M. SPICER	4-20-15		TE Connectivity			
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	4-20-15	NAME				
INCHES	M. SPICER MTCP POWER BLOCK QUI				QUICK			
	PRODUCT SPEC		DISCONNECT CONNECTOR KIT					
	$\begin{array}{cccc} 1 & \text{PLC} & \pm & - \\ 2 & \text{PLC} & \pm & - \end{array}$	_						
	3 PLC ± -	APPLICATION SPEC			1			
	4 PLC $\pm$ – ANGLES $\pm$ –	_		SIZE	CAGE CODE	DRAWING NO		RESTRICTED TO
MATERIAL -	FINISH –	WEIGHT -	_	Α1	06090	C-MTCPQKTXXX	XXXXX	
		CUSTOMER D	RAWING			scale NTS sf	HEET 3 OF 3	3 <sup>REV</sup> M

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			REVISIONS							
	Ρ	LTR	DESCRIPTION	DATE	DWN	APVD				
			SEE SHEET 1	—	_					

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## **Mouser Electronics**

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TE Connectivity: MTCPQKT2P22PGCA