

REVISIONS

P LTR DESCRIPTION DATE DWN APVE

- SEE SHEET 1 - - -

TABLE	I: KEYING COI	DES	
POSITION OF	PROJECT	ING TAB	(TYP)
	$- \wedge \wedge -$		
	-AB-		
	$- \land \bigcirc -$		
	$- $ \bigcirc $-$		
	-B A-		
	-B B-		
	-B C-		
	$-\mathbb{B}$ \mathbb{D} $-$		
	$ \bigcirc$ \triangle $-$		
	-C B-		
	$ \bigcirc$ \bigcirc \bigcirc $-$		
	$- \bigcirc \triangle -$		
	$-\mathbb{D}$ \mathbb{B} $-$		
	$ \square$ \square \square \square		
	$ \square$ $-$		
[UNKEYED]	$-\times$ \times $-$	Q UNKE	YEDD
RECEPTACLE	CDDE	PL	

TABLE II: SHIELD GROUNDING									
	1" ACCESORY CONTACTS	2" ACCESORY CONTACTS							
PLUG	1X CHA-0307	1X CHA-0308 OR 1X CHA-0304 20X M39029/58-360							
RECEPTACLE	1X CHA-0305	1X CHA-0306							



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

1	TABLE III: MTCP CRIMP CONTACTS								
	SIZE	RAYCHEM P/N	MILITARY P/N						
PIN	16	CTA-0079	M39029/58-364						
LII	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.

THIS DRAWING IS A C	DWN C.C.THOMAS	20APR2015		_	? TE	TE	Cann	o o t i v i t v	,		
24454242	T		CHK M. SPICER	4-20-15			STE		Comm	ectivity	,
DIMENSIONS:	OTHERW	ANCES UNLESS /ISE SPECIFIED:	APVD	4-20-15	NAME						
INCHES	J TILITAI	1132 31 2011 123.	M. SPICER				MTCP P	OWER BLO	CK QU	ICK	
	O PLC	± _	PRODUCT SPEC								
	1 PLC	± _					DISCONN	ECT CONNE	-CIOR	KII	
	2 PLC	± -	_								
	3 PLC	± _	APPLICATION SPEC								
+ -	4 PLC	± -			SIZE	CAGE CODE	DRAWING NO				RESTRICTED
	ANGLES	± -	_]						
MATERIAL _	FINISH	_	WEIGHT	_	A1	06090	C-MT	CPQKTXX	XXXX	XX	_
			CUSTOMER	DRAWING		I	ı	SCALE NTS	SHEET	2 OF	3 REV M

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	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 (*)						
	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						

(*)	SIZE 16	INSEF	RTS F		THE	1" (DNE	INCH)	SHELL	ARE	IDENT	ICAL	$\top \Box$
	THE PR	IMARY	INSE	RTS	FOR	THE	2"	$\langle T W \Box$	INCH>	SHELL	. THI	S APP	LIES
	TO THE	PLUG	AND	REC	EPTA	4CLE	CON	FIGURA	TION [of SIZ	E 16	INSER	RTS.

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

^{* &}quot;B" SIDE MARKING

MTCP CRIMP CONNECTOR TOOLS										
COMPONENT	SIZE	TOOL TYPE	TOOL P/N	MANUFACTURER						
INSERTS	22	INS./EXTR. METAL	:/EXTR. METAL CTA-0161							
	16	INS./EXTR. METAL	CTA-0161	RAYCHEM CORP.						
CONTACTS	22	INS./EXTR. PLASTI	C CTA-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 SHE	LL COU	PLING ATTACHMENT S	SCREW = 7/64 A	ALLEN WRENCH						
PLUG SHELL COU	PLING :	DRIVER = 7/64 ALLE	IN OR FLAT BLA	DE SCREWDRIVER						
STRAIN RELIEF C	ABLE C	CLAMPS = #1 PHILLIP	S SCREWDRIVER							
GROUNDING BLOCK CONNECTOR										
CONTACTS	22D	INS./EXTR. PLASTI	M81969/14-01	MIL. SPEC.						
	22D	CRIMP BASIC	M22520/2-01	MIL. SPEC.						
	22D	PIN POSITIONER	M22520/2-09	MIL. SPEC.						
GROUNDING BLOO	CK ATT	ACHMENT SCREW = :	#1 PHILLIPS SCR	EWDRIVER						

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

THIS DRAWING IS A CO	C.C.THOMAS		TE Connectivity					,		
DIMENSIONS:	TOLERANCES UNLESS	CHK M. SPICER	4-20-15					001111	cctivity	
	OTHERWISE SPECIFIED:	APVD	4-20-15	NAME						
INCHES		M. SPICER				MTCP PO	OWER BLO	CK QU	ICK	
	0 PLC ± - 1 PLC ± - 2 PLC ± -	PRODUCT SPEC —		DISCONNECT CONNECTOR KIT						
	3 PLC ± - 4 PLC ± - ANGLES ± -	APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO				RESTRICTED TO
MATERIAL —	FINISH -	WEIGHT	_	A1	06090	C-MT	CPQKTXX	XXXX	\mathbb{X}	_
		CUSTOMER	DRAWING				scale NTS	SHEET	3 OF .	3 REV M

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TE Connectivity:

MTCPQKT1P2PFAA