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MTC100Q-SHX-X2X-XXX

1. SHELL PART NUMBER VARIABLES: (NOT ALL POSSIBLE CONFIGURATIONS SHOWN ON THIS DRAWING ARE AVAILABLE AS STANDARD PRODUCTS. PLEASE CHECK WITH RAYCHEM TO CONFIRM AVAILABILITY.)

MODIFICATIONS (see table I ) (THIS SPACE BLANK IF NO MODIFICATION IS APPLICABLE) - 2= WITH CABLE CLAMP AND EARS ON SHELL 3= W/O CABLE CLAMP AND EARS ON SHELL 2= ELECTROLESS NICKEL (BLACK MARKING) P= PLUG F= FLANGED R= FLANGELESS RECEPTACLE 2= 2 INCH S= SHELL / GROUNDING BUSBAR

2. MATERIAL: A) SHELL

B) RETENTION CLIP

C) CAP SCREW D) POST \*

E) ROLL PIN F) KEYING PIN

G) KEY PINS INSERT

H) CLAMP BAR

J) CLAMP INSERT K) DRIVER \*

L) SPRING L) HELIX \* ALUMINUM ALLOY PER ASTM B85

COPPER ALLOY 172 PER ASTM B194

STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES

STAINLESS STEEL, PER AISI 17-4 PH

STAINLESS STEEL PER SAE-AMS 5673, 400 SERIES HIGH GRADE POLYARYLENE THERMOPLASTIC, MOLDED

HIGH GRADE POLYARYLENE THERMOPLASTIC, MOLDED STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES

SILICONE ELASTOMER PER MIL-DTL-25988B

STAINLESS STEEL . PER AISI 17-4 PH

STAINLESS STEEL PER AMS 5673, 17-7 PH STAINLESS STEEL . PER AISI 17-4 PH

\* ACCEPTABLE ALTERNATE, STAINLESS STEEL, PER MPIF STD 35, MIM-17-4 PH

3. FINISH:

APPLIES TO NICKEL PLATED CONNECTORS

NICKEL PLATED PER SAE-AMS-C-26074 A) SHELL

CLASS 3, GRADE B

NICKEL PLATED PER SAE-AMS-C-26074 B) RETENTION CLIP

CLASS 2, .00002 MINIMUM

C) POST CAP SCREW PASSIVATED PER SAE-AMS-QQ-P-35

D) POST

NICKEL TEFLON PLATED PER TECHMETALS 117C

E) HELIX NICKEL TEFLON PLATED PER TECHMETALS 117C

F) ROLL PIN PASSIVATED PER SAE-AMS-QQ-P-35 G) DRIVER PASSIVATED PER SAE-AMS-QQ-P-35

/4\ KEYING PIN IS SUPPLIED UNINSTALLED, USER TO PRESS INTO PROPER KEYING POSITION. SEE TABLE 5 FOR STANDARD KEYING PIN POSITIONS. FOR ADDITIONAL KEYING OPTIONS REFER TO D-659-0080.

5 STANDARD (RED) DUST CAP ARE SUPPLIED WITH EACH PLUG AND RECEPTACLE. SEE TABLE VI FOR MORE INFORMATION.

APPROPRIATE PART NUMBERS AND DATE CODES ARE STAMPED APPROXIMATELY AS SHOWN ON "B" SIDE. ALL "A" SIDE MARKINGS ARE OPTIONAL.

7. THESE PARTS MEET THE REQUIREMENTS OF TE SPECIFICATION C-6114.

/8\ THESE ITEMS ARE SUPPLIED UNASSEMBLED.

SEE TABLE II SHEET 3, WEIGHTS ARE WITHOUT DUST CAP.

RECEPTACLE POST SCREWS (CAP SCREWS) ARE TO BE TORQUED TO 15±1 INCH-LBS (1.0±0.07 N-M)

PLUG AND RECEPTACLE SHELLS ARE DESIGNED TO ACCEPT EITHER PIN OR SOCKET INSERTS. OR MIXED IN THE TWO INCHES STYLE.

THIS RECEPTACLE IS RECOMMENDED FOR REAR PANEL MOUNTING APPLICATION. REMOVING AS MANY PANEL WASHERS AS REQUIRED TO ACCOMMODATE THE THICKNESS OF THE PANEL BEING USED. SEE SHEET 3, TABLE 4. FIGURE 1. USE ONLY SCREWS SUPPLIED WITH CONNECTOR, POST TO BE FLUSH WITHIN TOLERANCE AS SHOWN SEE VIEW 'A" PAGE # 1.

WHEN MOUNTING FLANGELESS CONNECTORS ADJACENT TO ONE ANOTHER AND USING THE .400 MINIMUM CENTERLINE LOCATION. THERE WILL BE NO WEB BETWEEN PANEL CUT-OUTS. SEE SHEET 3. TABLE 3. FOR DETAILS.

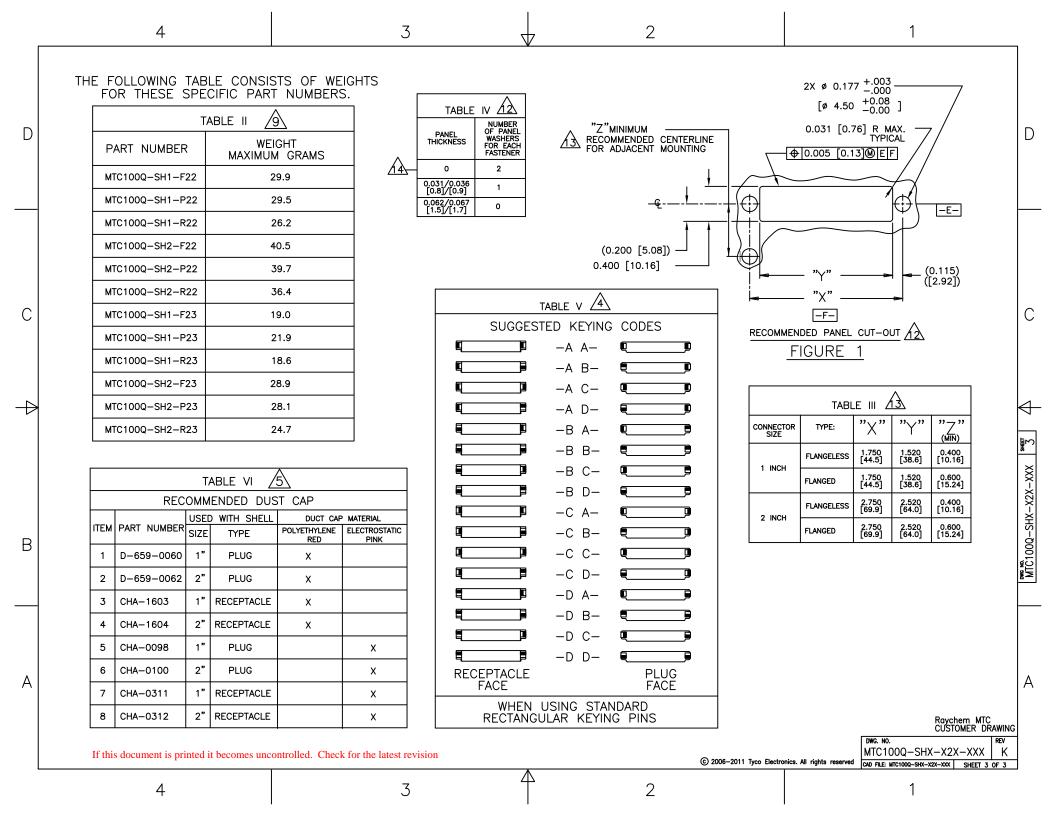
THE HARDWARE FOR THIS CONNECTOR IS DESIGNED TO BE USED ON 0.063 INCH PANEL THICKNESS. OTHERWISE 2 THIN WASHERS (PANEL WASHERS) ARE REQUIRED FOR EACH POST. USE PART D-659-0042.

TABLE I (MODIFICATIONS)	
MODIFICATION DASH NUMBER	DESCRIPTION
-022	SAME AS STANDARD ASSEMBLY, EXCEPT CONTACTS AND SEALING PLUGS ARE INCLUDED.
-023	SAME AS STANDARD ASSEMBLY, EXCEPT CONTACTS SEALING PLUGS AND INSERTION / EXTRACTION TOOL ARE INCLUDED.

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Raychem MTC CUSTOMER DRAWING MTC100Q-SHX-X2X-XXX CAD FILE: MTC100Q-SHX-X2X-XXX SHEET 2 OF 3

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