

4

3

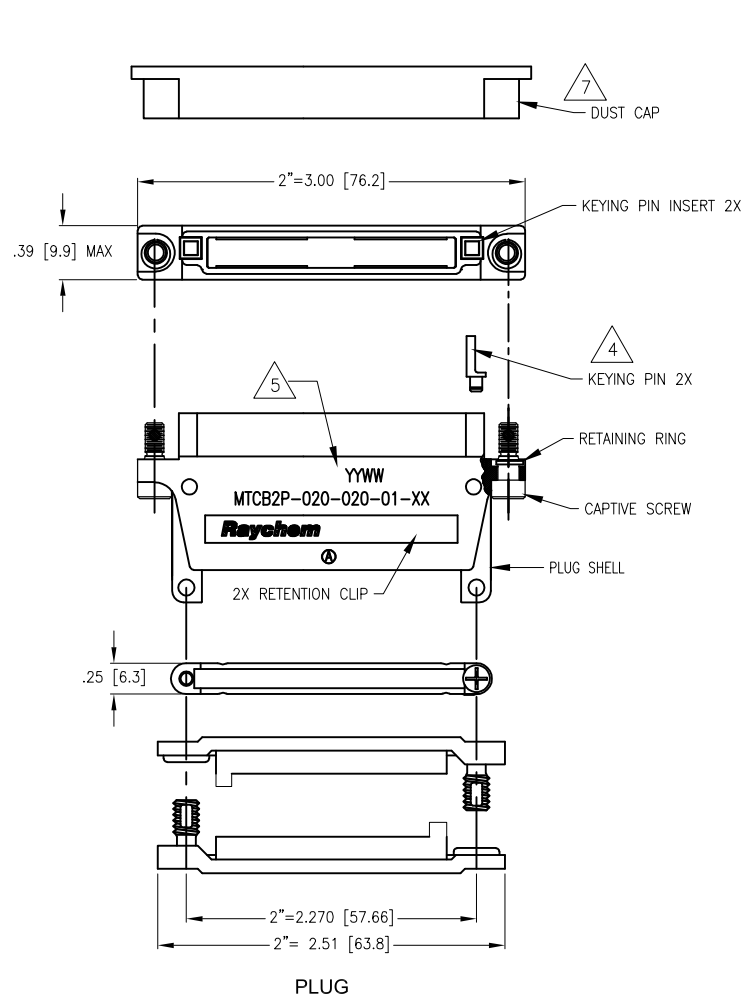
2

1

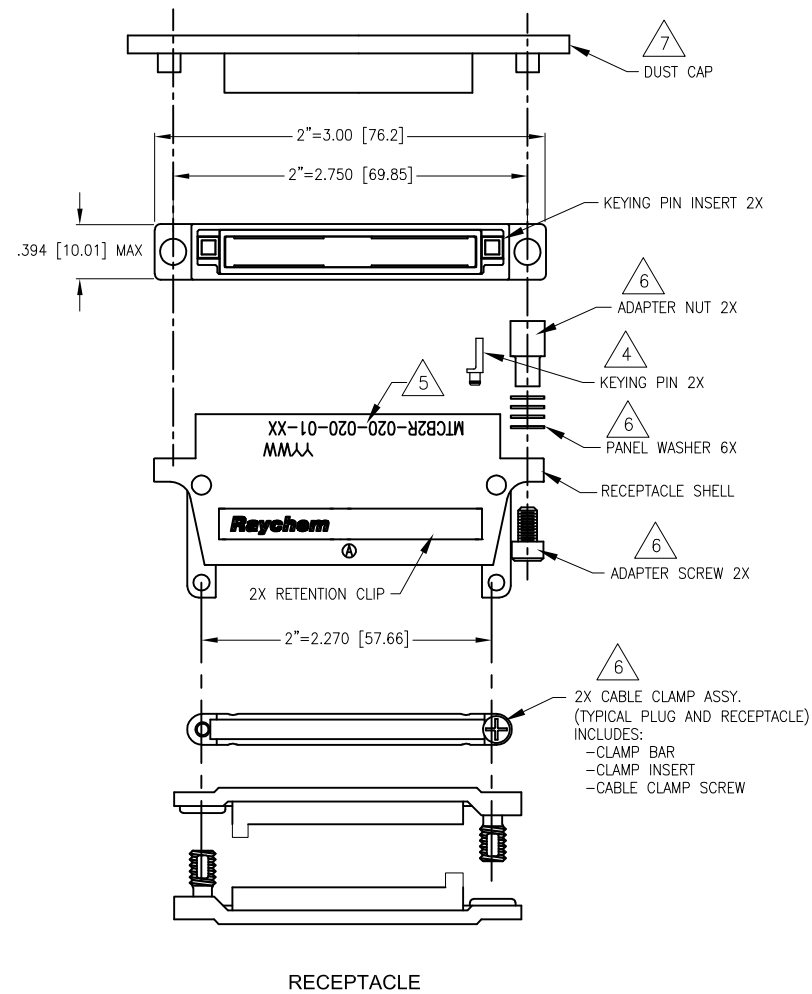
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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE PER DCR C050055	2/14/05	MHIGGY
B	REVISED PER ECO-12-020967	07DEC12	CT

NOTES: SEE SHT. 2



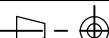
PLUG



RECEPTACLE

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SPECIFICATION CONTROL DRAWING

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	MFORONDA	2/10/04	 Tyco Electronics Corporation 300 Constitution Drive Menlo Park, CA. 94025 U.S.A. 
	CHECKED			
	APPROVED	MHIGGY	2/10/04	
	APPROVED			
	CAD NAME MTCB2X-020-020-01-XX			
THIRD ANGLE PROJECTION				TITLE SHELL ASSEMBLY, 2-INCH PLUG AND RECEPTACLE NICKEL-PLATED, MTC100 SERIES
SIZE		CODE IDENT. NO.	DWG. NO.	REV
C		06090	MTCB2X-020-020-01-XX	B
DO NOT SCALE THIS DRAWING				SHEET 1 OF 2

SHEET 1
MTCB2X-020-020-01-XX

NOTES:

1. PART NUMBER VARIABLES:

MTCB2X-020-020-01-XX



KEYING CODE AA THRU DD (SEE TABLE I)

P= PLUG

R= RECEPTACLE

2= 2 INCH CONNECTOR

MTC CONNECTOR, 100 SERIES

2. MATERIALS:

A) SHELL	ALUMINUM ALLOY 380 PER ASTM B85
B) RETENTION CLIP	COPPER ALLOY 172 PER ASTM B194
C) CAPTIVE SCREW	STAINLESS STEEL PER SAE AMS-5737
D) RETAINING RING	COPPER ALLOY 172 PER ASTM B194
E) ADAPTER SCREW	STAINLESS STEEL PER SAE AMS-QQ-S-763
F) ADAPTER NUT	STAINLESS STEEL PER ASTM A484
G) PANEL WASHER	STAINLESS STEEL PER ASTM A666
H) KEYING PIN	HIGH GRADE POLYARYLENE THERMOPLASTIC, MOLDED
J) KEY PINS INSERT	HIGH GRADE POLYARYLENE THERMOPLASTIC, MOLDED
K) CABLE CLAMP ASSEMBLY	
- CLAMP BAR	STAINLESS STEEL PER ASTM A666
- CLAMP INSERT	SILICONE ELASTOMER PER MIL-R-25988
- CABLE CLAMP SCREW	STAINLESS STEEL PER SAE AMS-QQ-S-763

3. FINISH:

A) SHELL	NICKEL PLATED PER SAE AMS-C-26074, CLASS 3, GRADE B.
B) RETENTION CLIP	NICKEL PLATED PER SAE AMS-C-26074, CLASS 2, .00002 MIN.
C) CAPTIVE SCREW	PASSIVATED PER SAE AMS-QQ-P-35.
D) RETAINING RING	NICKEL PLATED PER SAE AMS-C-26074, CLASS 2, .00002 MIN.
E) ADAPTER SCREW	PASSIVATED PER SAE AMS-QQ-P-35.
F) ADAPTER NUT	PASSIVATED PER SAE AMS-QQ-P-35.
G) PANEL WASHER	PASSIVATED PER SAE AMS-QQ-P-35.
H) CABLE CLAMP ASSEMBLY	
- CLAMP BAR	PASSIVATED PER SAE AMS-QQ-P-35.
- CABLE CLAMP SCREW	PASSIVATED PER SAE AMS-QQ-P-35.

4. SEE TABLE 1 FOR KEYING PIN ORIENTATION VARIABLES.

5. APPROPRIATE PART NUMBER AND DATE CODE ARE STAMPED APPROXIMATELY AS SHOWN.

6. THESE ITEMS ARE SUPPLIED UNASSEMBLED.

7. DUST CAP SUPPLIED WITH EACH PLUG AND RECEPTACLE.

8. PART NUMBER WEIGHTS:

MTCB2P-020-020-01-XX: 34.2 GRAMS MAX.

MTCB2R-020-020-01-XX: 38.3 GRAMS MAX.

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

SPECIFICATION CONTROL DRAWING

SIZE C	CODE IDENT. NO. 06090	DWG. NO. MTCB2X-020-020-01-XX	REV B
DO NOT SCALE THIS DRAWING		CAD NAME: C050055B.dwg	SHEET 2 OF 2

Mouser Electronics

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