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USERS SHOULD EVALUATE THE SUITABILITY OF THE PRODUCT FOR THEIR APPLICATION.

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	FRENCH DRAWING	21/07/92	S.BRIENS
B	REDRAWN AND UPDATED FILE PER DCR# C050394	MAY/23/05	M.HIGGY
C	UPDATED FILE PER DCR# C050451	June/2/05	M.HIGGY
D	UPDATED FILE PER DCR# C050615	SEPT/20/05	M.HIGGY

NOTES: 1. THIS BOXMOUNT RECEPTACLE MATES WITH A MTC PLUG CONTAINING SOCKET INSERTS. REFER TO APPLICABLE RAYCHEM SPECIFICATION CONTROL DRAWINGS FOR DETAILS.

2 THESE ITEMS ARE SUPPLIED UNASSEMBLED.

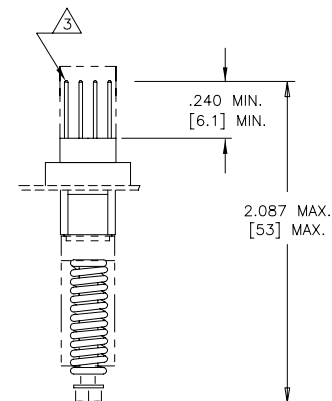
3 .025 SQ. WIRE WRAPPABLE TERMINATION POST.

4 WEIGHTS:
ARE WITHOUT DUST CAP AND WITHOUT TERMINATION POST PROTECTOR.

5 TORQUE MOUNTING HARDWARE TO: 14-16 IN.-LBS.

6 DUST CAP SUPPLIED WITH EACH RECEPTACLE HOUSING.

7 FOR KEYING PIN INFORMATION SEE TYCO/RAYCHEM DRAWING D-659-0080



SIDE VIEW FOR COMPLETE ASSEMBLY.
(RECEPTACLE AND PLUG)

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POST PROTECTOR
(REMOVE PRIOR TO
TERMINATION)

2x NUT 2

INSERT

SHELL
RECEPTACLE

2x WASHER 2

2x KEYING PIN
(SNAPS IN PLACE)
2 7

2x SCREW 2
5

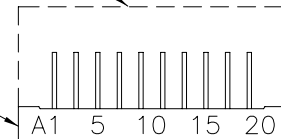
DUST CAP 6

INNER GASKET

2X KEYING PIN
INSERT

PANEL GASKET 2

2X INTERFACIAL SEAL
CONTACT #1



ECS-0137
Raychem
PART NUMBER

DATE CODE

MOUNTING PANEL
.062/.067 [1.5/1.7]

SPECIFICATION CONTROL DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
METRIC DIMENSIONS ARE
IN BRACKETS.

DECIMALS
.XXX ± .005 { .13 mm
.XX ± .02 { .51 mm

ANGLES
.X ±

WEIGHT

DRAWN	ZS.ORBAN	May/12/05
CHECKED		
APPROVED	M.HIGGY	May/12/05
APPROVED		
CAD NAME	C050615a.DWG	
THIRD ANGLE PROJECTION		

tyco Electronics		TYCO ELECTRONICS 300 Constitution Drive Menlo Park, CA. 94025 USA	Raychem
TITLE CONNECTOR, RECEPTACLE, BOX MOUNT, PIN, .025 SQ. TERMINATOR POST, SHORT TAIL, 1 INCH, FLANGED, EUROPEAN VERSION MTC50 SERIES			
SIZE A	CAGE CODE: 06090	DWG. NO. ECS-0137	REV D
DO NOT SCALE THIS DRAWING		SHEET 1 OF 2	

SHEET 1
ECS-0137
DWG NO.

SPECIFICATIONS:

MATERIALS:

A. SHELL	ALUMINUM ALLOY PER ASTM B85.
B. SCREW	STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES.
C. NUT	STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES.
D. INNER GASKET	SILICONE ELASTOMER PER MIL-R-25988
E. STANDARD PANEL GASKET	SILICONE ELASTOMER PER MIL-R-25988
F. INTERFACIAL SEAL	FLOROSILICONE ELASTOMER PER MIL-R-25988
G. INSERT	HIGH GRADE THERMOPLASTIC DIELECTRIC.
H. PANEL WASHER	STAINLESS STEEL PER SAE-AMS-QQ-S-763, 300 SERIES.
I. PIN CONTACT	COPPER ALLOY 172 PER ASTM B194.
J. KEYING PIN INSERT	HIGH GRADE THERMOPLASTIC DIELECTRIC.
K. KEYING PIN	HIGH GRADE THERMOPLASTIC DIELECTRIC.

FINISH:

A. SHELL	CADMIUM PLATED PER SAE-AMS-QQ-P-416 OVER NICKEL UNDERPLATE
B. SCREW	CADMIUM PLATED PER SAE-AMS-QQ-P-416
C. NUT	CADMIUM PLATED PER SAE-AMS-QQ-P-416
D. PANEL WASHER	CADMIUM PLATED PER SAE-AMS-QQ-P-416
E. PIN CONTACT	GOLD PLATED PER AMS 2422 TYPE 1, GRADE C, CLASS 1

DESIGN AND CONSTRUCTION:

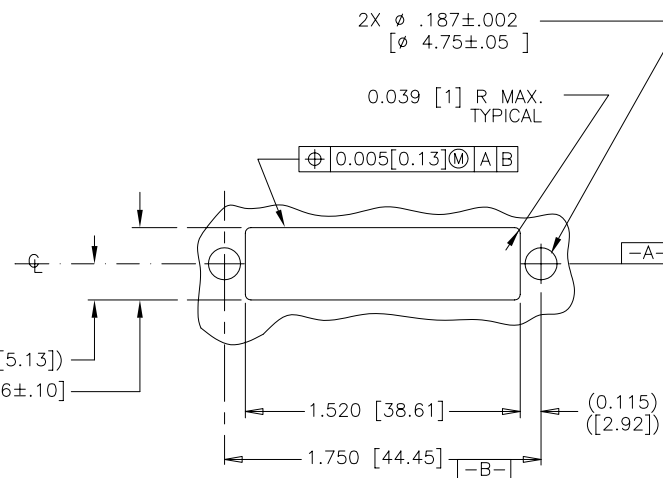
THE CONNECTORS SPECIFIED HEREIN ARE PANEL MOUNTED RECEPTACLES WITH FIXED (NON-REMOVABLE) PIN INSERTS AND CONTACTS. THE CONNECTOR IS WITHOUT PROVISIONS FOR CABLE CLAMPS OR TERMINATION SEALS.

PERFORMANCE:

THE APPLICABLE RAYCHEM SPECIFICATION FOR THIS PART IS C6111.
THIS PART IS NOT QUALIFIED TO C6111.

HUMIDITY
ALTITUDE IMMERSION
ALTITUDE - LOW TEMPERATURE
FLUID IMMERSION

THE CONNECTOR TERMINATION END
MUST BE SUITABLY PROTECTED
FOR TESTING OR APPLICATION IN
ANY OF THESE ENVIRONMENTS.



RECOMMENDED PANEL CUT-OUT

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SPECIFICATION CONTROL DRAWING

SIZE A	CAGE CODE: 06090	DWG. NO. ECS-0137	REV D
DO NOT SCALE THIS DRAWING		DWG NAME C050615b.DWG	SHEET 2 OF 2

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