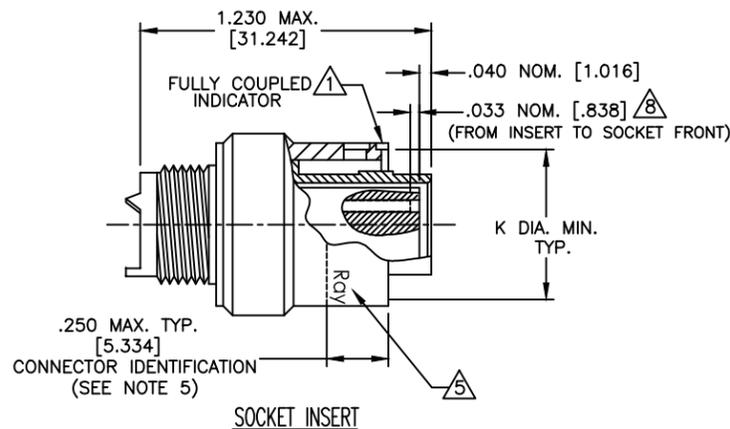
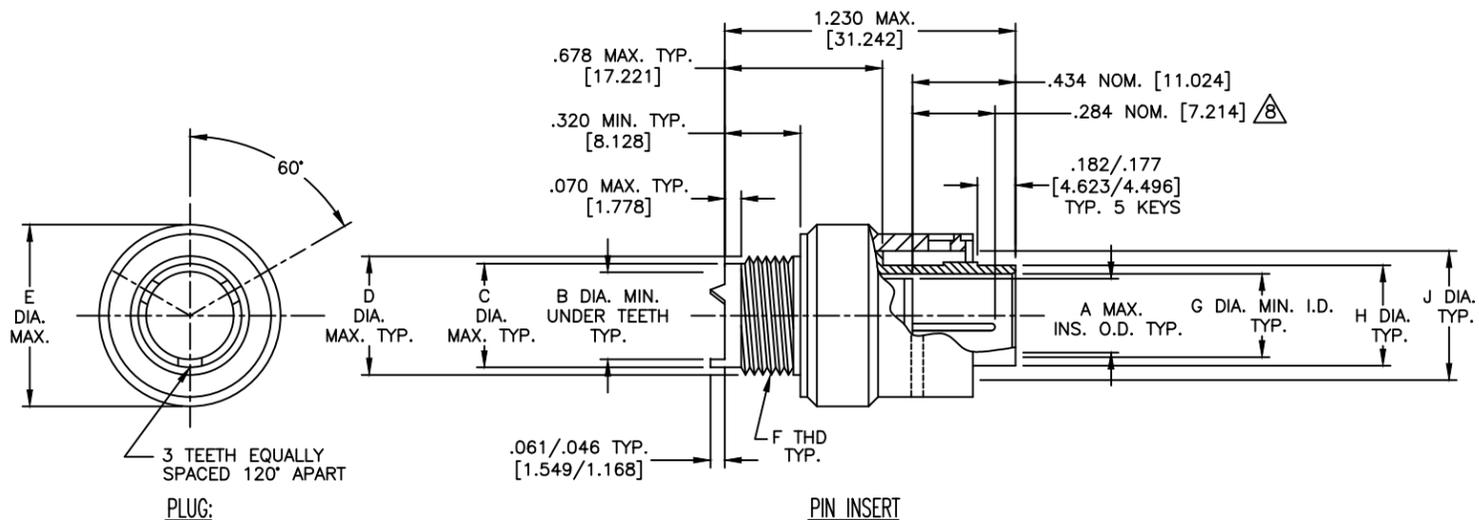


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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
E	PER ECO-11-025194	Dec/15/2011	M.HIGGY
F	PER ECO-12-005711	Mar/22/2012	M.HIGGY



SHELL ALTERNATE KEYING POSITIONS:
 IN THE "ALTERNATE KEYING POSITION" (POSITION 6,7,8,9, AND 10), THE KEYS ARE POSITIONED AS INDICATED IN THE CHART BELOW WITH REFERENCE TO MASTER KEY.
 WHEN THE ALTERNATE SHELL KEYING POSITIONS ARE USED, THE APPLICABLE INSERT IS ALWAYS IN THE NORMAL POSITION.

KEY / KEYWAY LOCATIONS

KEYING POSITION	TABLE II SIZE 12 THRU 24			
	A°	B°	C°	D°
NORMAL	105	140	215	265
6	18	149	192	259
7	92	152	222	342
8	84	152	204	334
9	24	135	199	240
10	98	152	268	338

SHELL SIZE	TABLE I										
	A	B	C	D	E	F	G	H	J	K	
12	.558	.613	.687	.750	1.078	3/4-20 UNEF-2A	.598	.696 .691	.837 .832	.930	
14	.627	.738	.812	.875	1.141	7/8-20 UNEF-2A	.667	.765 .760	.906 .901	.999	
16	.772	.863	.937	1.000	1.266	1-20 UNEF-2A	.794	.892 .887	1.033 1.028	1.126	
18	.860	.919	.992	1.062	1.375	1 1/16-18 UNEF-2A	.900	.998 .993	1.139 1.134	1.232	
20	.985	1.044	1.117	1.187	1.510	1 3/16-18 UNEF-2A	1.025	1.123 1.118	1.266 1.261	1.357	
24	1.235	1.294	1.367	1.437	1.760	1 7/16-18 UNEF-2A	1.275	1.373 1.368	1.516 1.511	1.607	

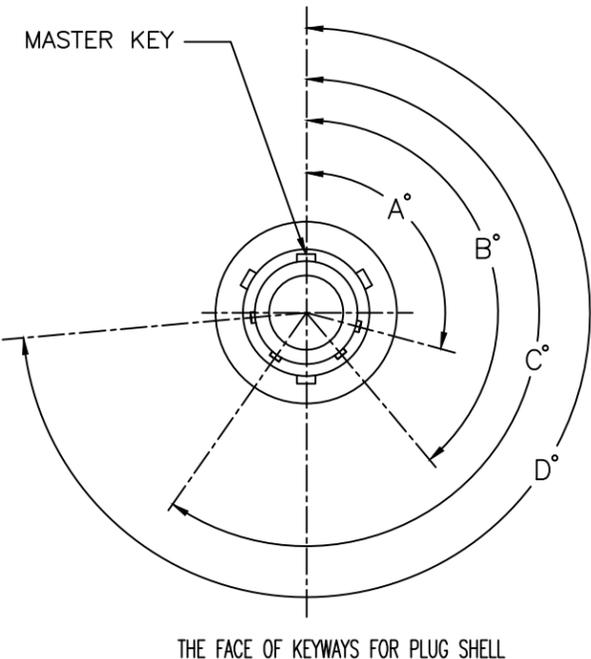
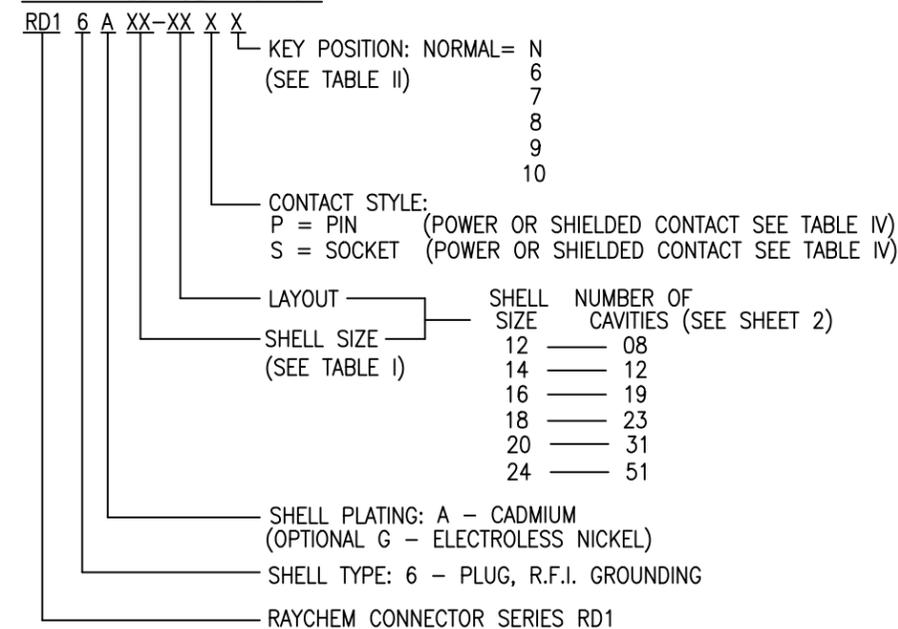
METRIC EQUIVALENT MM

SHELL SIZE	A	B	C	D	E	G	H	J	K
12	14.173	15.570	17.450	19.050	27.381	15.189	17.678 17.551	21.260 21.133	23.622
14	15.926	18.745	20.625	22.225	28.981	16.942	19.431 19.304	23.012 22.885	25.375
16	19.609	21.920	23.800	25.400	32.156	20.168	22.657 22.530	26.238 26.111	28.600
18	21.844	23.343	25.197	26.975	34.925	22.860	25.349 25.222	28.931 28.804	31.293
20	25.019	26.518	28.372	30.150	38.354	26.035	28.524 28.397	32.156 32.029	34.468
24	31.369	32.868	34.722	36.500	44.704	32.385	34.874 34.747	38.506 38.379	40.818

PART NUMBER	WEIGHT in Grams Nominal
RD16A-12-08PX	TBD
RD16A-12-08SX	22.94
RD16A-14-12PX	23.25
RD16A-14-12SX	TBD
RD16A-16-19PX	TBD
RD16A-16-19SX	28.74
RD16A-18-23PX	TBD
RD16A-18-23SX	34.03
RD16A-20-31PX	TBD
RD16A-20-31SX	39.74
RD16A-24-51PX	TBD
RD16A-24-51SX	51.29

CABLE TYPE	TABLE IV	
	PIN	SOCKET
COAX	D-602-44	D-602-45
TWISTED PAIR	D-602-54	D-602-55
PRIMARY WIRE	D-610-09	D-610-10

PART NUMBER IDENTIFICATION:



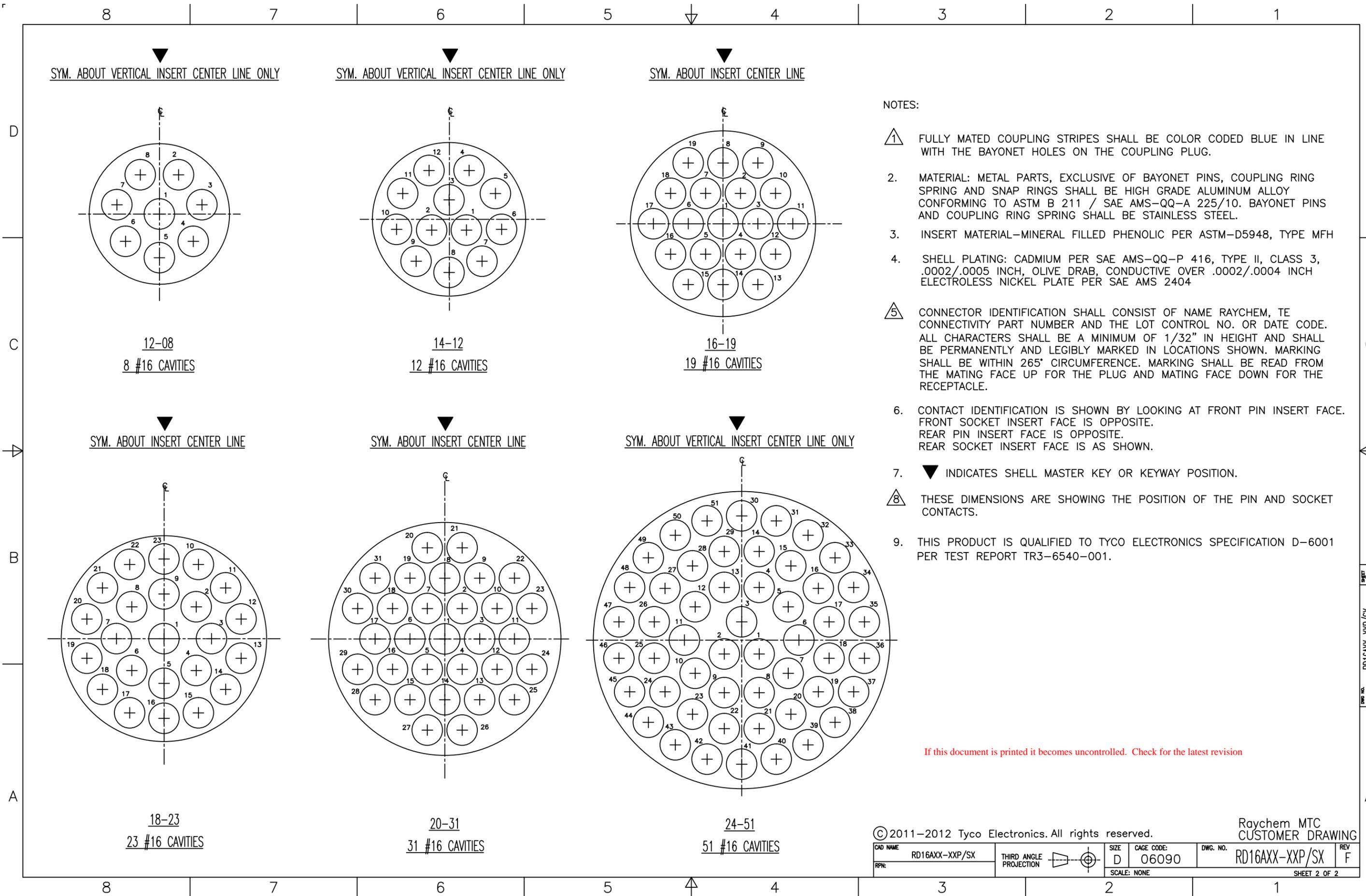
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Raychem MTC
CUSTOMER DRAWING

THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.	DRAWN Zsofia O.	DATE Nov/19/2010	TE Connectivity RD1 SERIES CONNECTOR PLUG
	DECIMALS .XXX ± .005 [.127 mm] .XX ± .01 [.254 mm] ANGLES 1°	CHECKED	DATE	
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		THIRD ANGLE PROJECTION		CAGE CODE: 06090
		DWG. NO. RD16AXX-XXP/SX		REV F
		SCALE: NONE		SHEET 1 OF 2

DWG. NO. RD16AXX-XXP/SX SHEET



NOTES:

- 1. FULLY MATED COUPLING STRIPES SHALL BE COLOR CODED BLUE IN LINE WITH THE BAYONET HOLES ON THE COUPLING PLUG.
- 2. MATERIAL: METAL PARTS, EXCLUSIVE OF BAYONET PINS, COUPLING RING SPRING AND SNAP RINGS SHALL BE HIGH GRADE ALUMINUM ALLOY CONFORMING TO ASTM B 211 / SAE AMS-QQ-A 225/10. BAYONET PINS AND COUPLING RING SPRING SHALL BE STAINLESS STEEL.
- 3. INSERT MATERIAL-MINERAL FILLED PHENOLIC PER ASTM-D5948, TYPE MFH
- 4. SHELL PLATING: CADMIUM PER SAE AMS-QQ-P 416, TYPE II, CLASS 3, .0002/.0005 INCH, OLIVE DRAB, CONDUCTIVE OVER .0002/.0004 INCH ELECTROLESS NICKEL PLATE PER SAE AMS 2404
- 5. CONNECTOR IDENTIFICATION SHALL CONSIST OF NAME RAYCHEM, TE CONNECTIVITY PART NUMBER AND THE LOT CONTROL NO. OR DATE CODE. ALL CHARACTERS SHALL BE A MINIMUM OF 1/32" IN HEIGHT AND SHALL BE PERMANENTLY AND LEGIBLY MARKED IN LOCATIONS SHOWN. MARKING SHALL BE WITHIN 265° CIRCUMFERENCE. MARKING SHALL BE READ FROM THE MATING FACE UP FOR THE PLUG AND MATING FACE DOWN FOR THE RECEPTACLE.
- 6. CONTACT IDENTIFICATION IS SHOWN BY LOOKING AT FRONT PIN INSERT FACE. FRONT SOCKET INSERT FACE IS OPPOSITE. REAR PIN INSERT FACE IS OPPOSITE. REAR SOCKET INSERT FACE IS AS SHOWN.
- 7. ▼ INDICATES SHELL MASTER KEY OR KEYWAY POSITION.
- 8. THESE DIMENSIONS ARE SHOWING THE POSITION OF THE PIN AND SOCKET CONTACTS.
- 9. THIS PRODUCT IS QUALIFIED TO TYCO ELECTRONICS SPECIFICATION D-6001 PER TEST REPORT TR3-6540-001.

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Raychem MTC
CUSTOMER DRAWING

CAD NAME RD16AXX-XXP/SX	THIRD ANGLE PROJECTION	SIZE D	CAGE CODE: 06090	DWG. NO. RD16AXX-XXP/SX	REV F
RPN:		SCALE: NONE		SHEET 2 OF 2	

DWG. NO. RD16AXX-XXP/SX SHEET 2