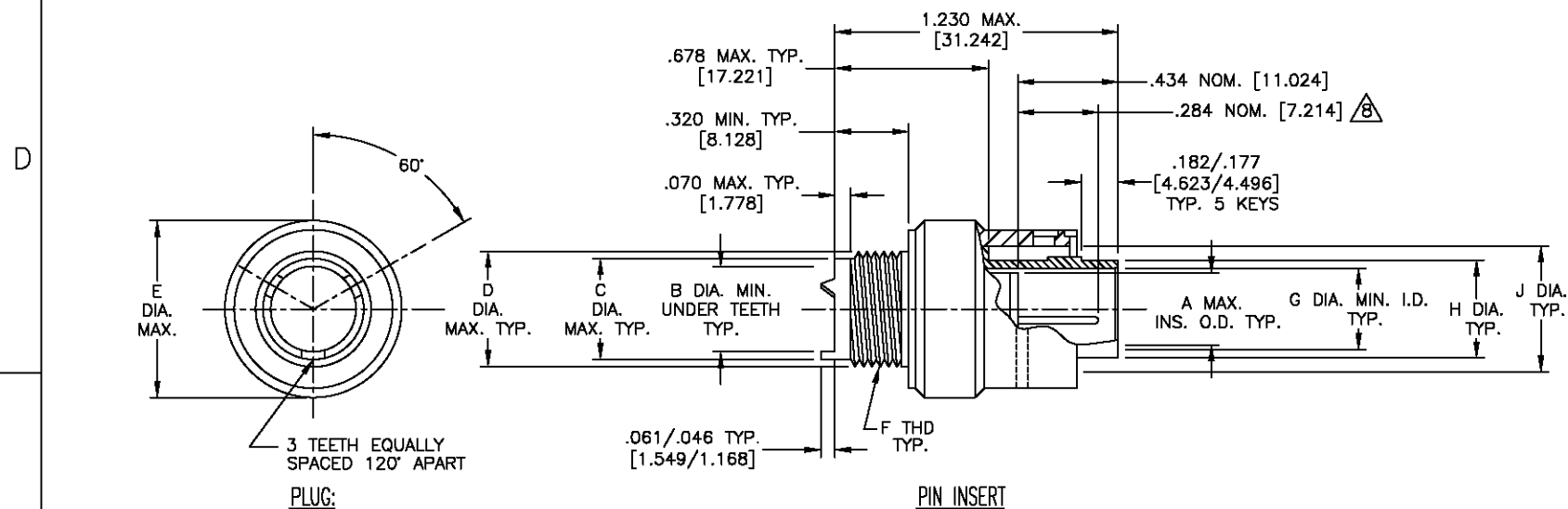


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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
E	PER ECO-11-025194	Dec/15/2011	M.HIGGY
F	PER ECO-12-005711	Mar/22/2012	M.HIGGY



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

TABLE II				
KEYING POSITION	SIZE 12 THRU 24	A°	B°	C°
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			

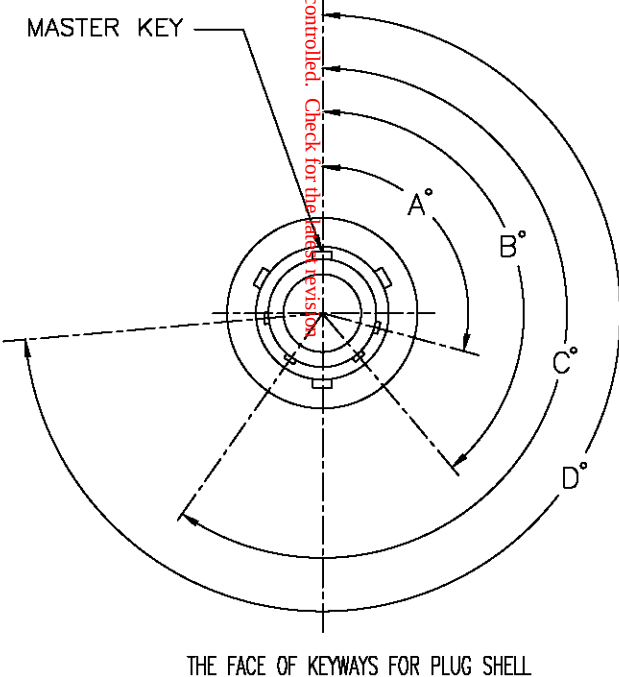


TABLE I										
SHELL SIZE	A	B	C	D	E	F	G	H	J	K
12	.558	.613	.687	.750	1.078	3/4-20 UNEF-2A	.598	.696 .691	.837 .832	.930
14	.627	.738	.812	.875	1.141	7/8-20 UNEF-2A	.667	.765 .760	.906 .901	.999
16	.772	.863	.937	1.000	1.266	1-20 UNEF-2A	.794	.892 .887	1.033 1.028	1.126
18	.860	.919	.992	1.062	1.375	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

TABLE III	
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

TABLE IV		
CABLE TYPE	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:

RD1 6 A XX-XX X X

KEY POSITION: NORMAL = N
(SEE TABLE II)

6
7
8
9
10

CONTACT STYLE:
P = PIN (POWER OR SHIELDED CONTACT SEE TABLE IV)
S = SOCKET (POWER OR SHIELDED CONTACT SEE TABLE IV)

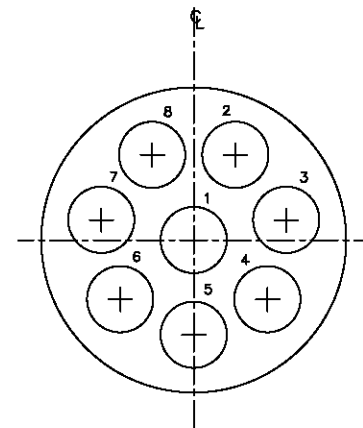
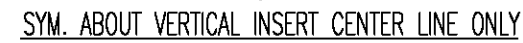
LAYOUT SHELL NUMBER OF
SIZE CAVITIES (SEE SHEET 2)
(SEE TABLE I)
12 08
14 12
16 19
18 23
20 31
24 51

SHELL PLATING: A - CADMIUM
(OPTIONAL G - ELECTROLESS NICKEL)
SHELL TYPE: 6 - PLUG, R.F.I. GROUNDING
RAYCHEM CONNECTOR SERIES RD1

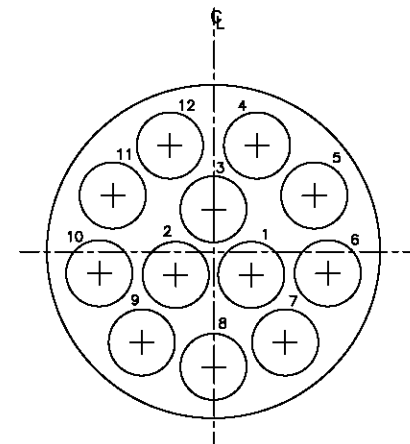
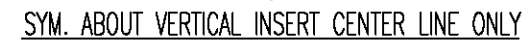
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Raychem MTC
CUSTOMER DRAWING

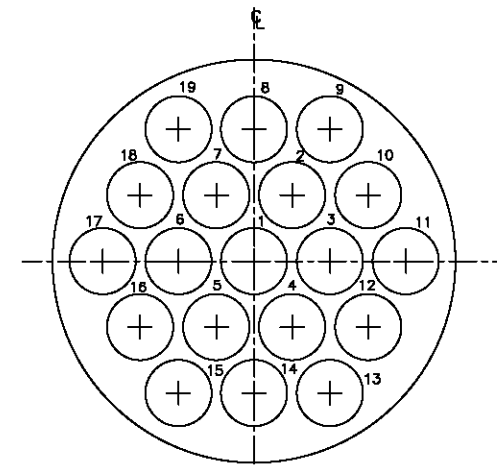
THIS DRAWING IS A CONTROLLED DOCUMENT.		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. METRIC DIMENSIONS ARE IN BRACKETS.		DRAWN Zsofia O.		DATE Nov/19/2010	
DIMENSIONING AND TOLERANCING PER ASME Y14.5M (ISO STANDARDS)		DECIMALS .XXX ± .005 [.127 mm] .XX ± .01 [.254 mm] ANGLES 1°		CHECKED		DATE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



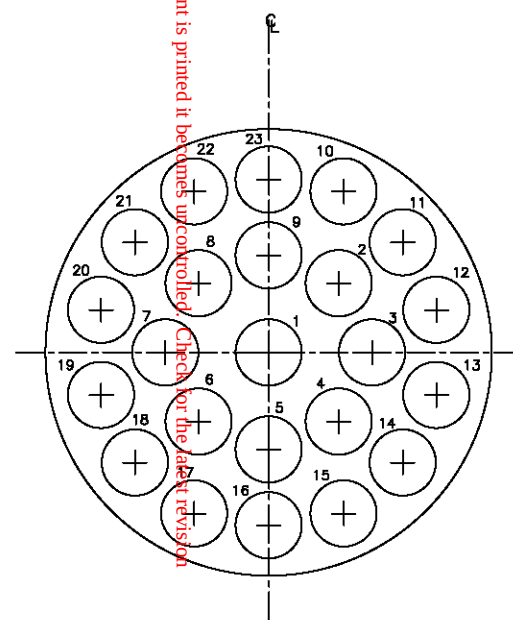
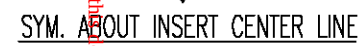
12-08
8 #16 CAVITIES



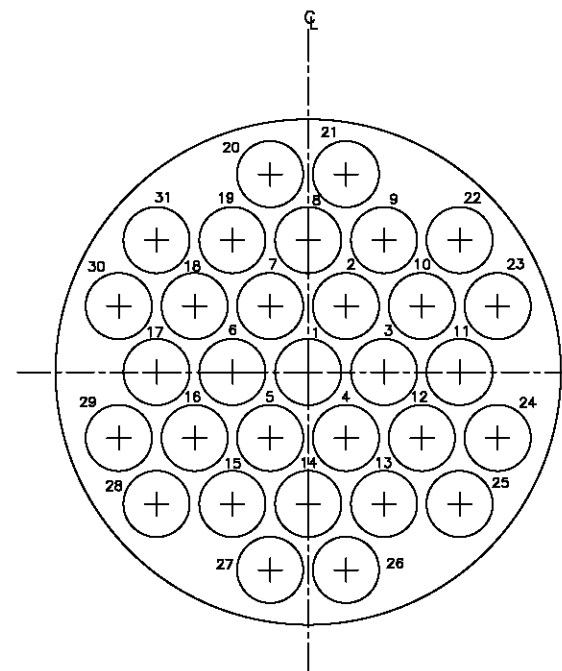
14-12
12 #16 CAVITIES



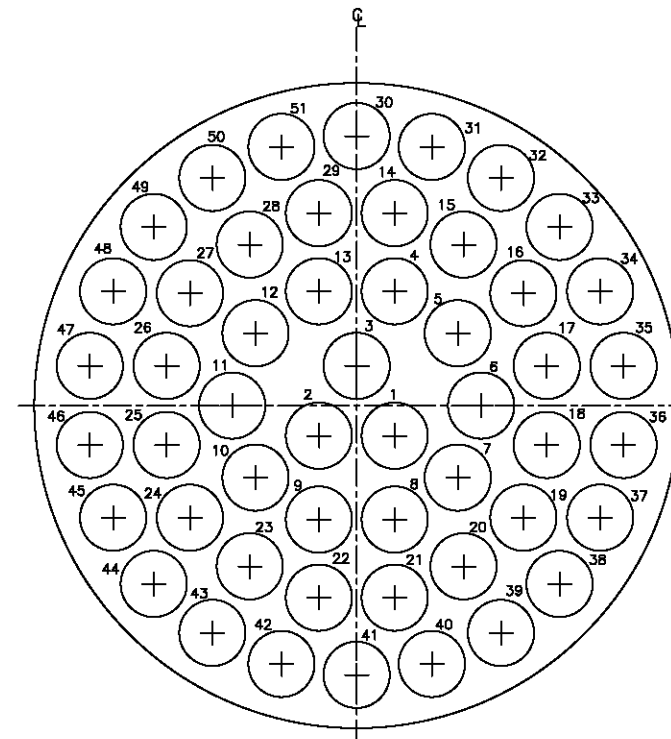
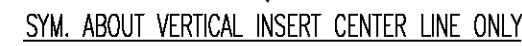
16-19
19 #16 CAVITIES



18-23
23 #16 CAVITIES



20-31
31 #16 CAVITIES



24-51
51 #16 CAVITIES

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	


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