

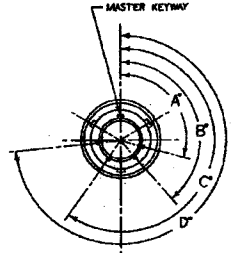
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SIZE	A	B	C	D	E	F	G	H	J	K	L	N	E'	F'	G'
12	.558	.705	.829	.875	.615	.687	.750	.812	1.031	.913	.120	3/4-20UNEF-2A	50	170	290
14	.627	.774	.898	.935	.738	.812	.875	.906	1.125	.980	.120	3/4-20UNEF-2A	50	170	290
16	.712	.860	1.025	1.062	.863	.937	1.000	.969	1.250	1.107	.120	1-20UNEF-2A	50	170	290
18	.840	1.007	1.181	1.187	.919	.992	1.062	1.062	1.343	1.209	.120	1 1/4-18UNEF-2A	50	170	290
20	.985	1.152	1.354	1.312	1.044	1.117	1.187	1.156	1.437	1.337	.120	1 1/4-18UNEF-2A	50	170	290
24	1.235	1.532	1.804	1.562	1.294	1.367	1.437	1.375	1.703	1.577	.149	1 1/2-16UNEF-2A	50	170	290

METRIC EQUIVALENT - MM

SIZE	A	B	C	D	E	F	G	H	J	K	L
12	14.173	17.907	21.027	22.225	15.570	17.450	19.050	20.625	26.187	23.190	3.048
14	15.926	19.779	22.899	23.749	18.745	20.625	22.225	23.012	28.575	24.892	3.048
16	19.609	23.762	27.027	26.975	21.920	23.800	25.400	26.613	34.750	28.118	3.048
18	21.844	27.437	31.027	30.510	23.345	25.197	26.975	26.975	34.118	30.709	3.048
20	25.019	31.152	35.125	33.325	26.518	28.372	30.150	30.862	34.500	33.960	3.048
24	31.369	39.376	45.125	39.675	32.868	34.722	36.500	34.925	43.256	40.654	3.785

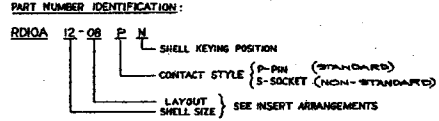
ZONE/LTR	REVISIONS	DATE	APPROVED
NE	INITIAL RELEASE DED-00340	5/9/99	JPT
A	REVISED PER EOD-0808	1/19/01	gpc
B	REVISED PER ECU T-21278	5/11/01	gpc
C	REVISE PER DCRS T-20632	7/13/2001	M.HIGBY



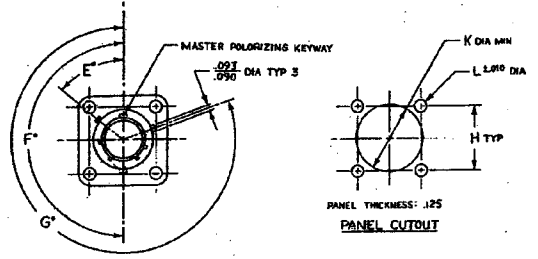
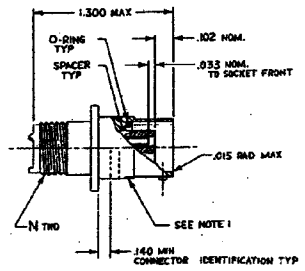
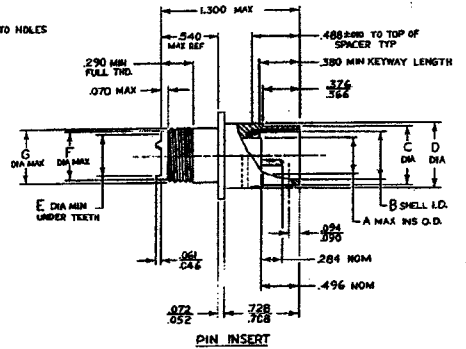
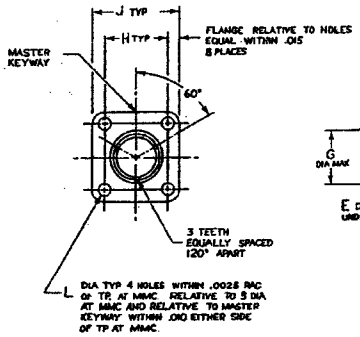
SHELL ALTERNATE KEYING POSITION:
IN THE "ALTERNATE KEYING POSITION" (POSITION 4,7,8,9,10), THE KEYS ARE POSITIONED AS INDICATED IN THE CHART BELOW WITH REFERENCE TO MASTER KEY.
WHEN THE ALTERNATE SHELL KEYING POSITIONS ARE USED, THE APPLICABLE INSERT IS ALWAYS IN THE NORMAL POSITION.

KEY/KEYWAY LOCATIONS:

KEYING POSITION	SIZE (2 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



PLUG FACE SHOWN
(KEYWAYS IN RECEPTACLE SHELL ARE OPPOSITE)



CONNECTOR SPECIFICATION CONTROL DRAWING

ITEM QTY	PART NUMBER	DRAWN BY	DATE	DESCRIPTION
		JAMAL	6-6-79	
<p>INCLUDED OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:</p> <p>XXX ± .005 XX ± .010 X ± .015</p>				
MATERIAL		APPROVED	DATE	
FINISH		APPROVED	DATE	
PART NUMBER		T29632A.B.TIF		
PROJECT		RD1 SERIES CONNECTOR RECEPTACLE		
SIZE	CODE IDENT.	DRAW. NO.		
B	NO. 0030	RD10AXX-XX 1/2 X	C	
SCALE	WEIGHT	SHEET	OF 2	

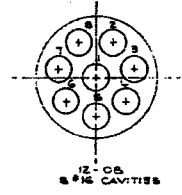
METRIC EQUIVALENT

INCH	.005	.010	.015	.033	.046	.052	.064	.070	.072	.090	.093	.094	.102	.140	.284	.290	.380	.488	.496	.539	.540	.708	.728	1.300
MM	.0254	.0254	.0381	.0838	1.160	1.321	1.549	1.778	1.829	2.286	2.362	2.388	2.591	3.556	7.214	7.366	9.652	12.395	12.598	13.691	13.716	17.983	18.491	33.020

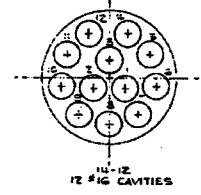
DO NOT SCALE THIS DRAWING

REVISIONS		DATE	APPROVED
REV	DESCRIPTION		
1	SEE SHEET 1 QCP # 00240	07/87	JAM
2	SEE SHEET 1	07/87	JAM
SEE SHEET 1			

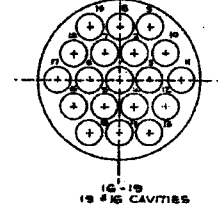
SYM. ABOUT VERTICAL ϕ ONLY



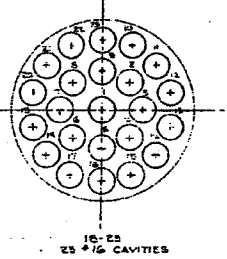
SYM. ABOUT VERTICAL ϕ ONLY



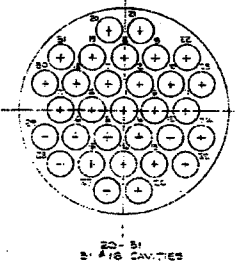
SYM. ABOUT ϕ



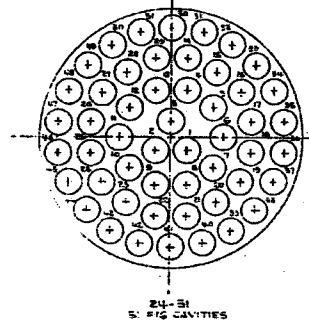
SYM. ABOUT ϕ



SYM. ABOUT ϕ



SYM. ABOUT VERTICAL ϕ ONLY



- NOTES:
- FULLY MATED COUPLING STRIPS SHALL BE COLOR CODED BLUE IN LINE WITH THE BAYONET PINS ON THE RECEPTACLE SHELL.
 - DRAWING
 - MATERIAL: METAL PARTS, EXCLUSIVE OF BAYONET PINS AND COUPLING RING SPRINGS, SHALL BE MISH-GRADE ALUMINUM ALLOY CONFORMING TO QQ-A-587. BAYONET PINS AND COUPLING RING SPRINGS SHALL BE STAINLESS STEEL. INSERT MATERIAL - MINERAL FILLED PHENOLIC PER MIL-M-114, TYPE MRF.
 - BAYONET PINS SHALL BE WITHIN .004 EITHER SIDE OF TRUE POSITION RELATIVE TO MASTER KEYWAY.
 - INSERTS SHALL BE MECHANICALLY RETAINED AND PERMANENTLY BONDED IN BOTH PLUG AND RECEPTACLE SHELLS.
 - FOUR KEYWAYS (MMC) AND INSERT SHALL BE LOCATED WITHIN .004 EITHER SIDE OF TRUE POSITION RELATIVE TO MASTER KEYWAY (MMC) AND SHELL I.D. (MMC).
 - FOUR KEYS (MMC) AND INSERT SHALL BE LOCATED WITHIN .004 EITHER SIDE OF TRUE POSITION RELATIVE TO MASTER KEY (MMC) AND SHELL O.D.
 - CONNECTOR IDENTIFICATION SHALL CONSIST OF NAME, RAYCHEM PART NO., AND THE LOT CONTROL NO. OR DATE CODE. ALL CHARACTERS SHALL BE A MINIMUM OF 1/16" IN HEIGHT AND SHALL BE PERMANENTLY AND LEGIBLY MARKED IN LOCATIONS SHOWN.
 - CAVITY IDENTIFICATION NUMBERS SHALL BE AS LARGE AS POSSIBLE; OF A CONTRASTING COLOR, AND LOCATED APPROXIMATELY AS SHOWN.
 - CONTACT IDENTIFICATION IS SHOWN LOOKING AT FRONT. FRONT SOCKET INSERT FACE IS OPPOSITE. REAR PIN INSERT FACE IS OPPOSITE. REAR SOCKET INSERT FACE IS AS SHOWN.
 - ∇ INDICATES MASTER KEY OR KEYWAY POSITION.
 - PLATING: CADMIUM PLATE PER QQ-P-46 TYPE 2, CLASS 3, OLIVE DRAB, CONDUCTIVE.

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ITEM	QTY.	PART NUMBER	SYMBOL	DESCRIPTION
PARTS LIST				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:		DRAWN	JAMAL 4479	USE AND HARDENING PRODUCTS
.XXX ± .001		CHECKED		TYCOELECTRONICS/RAYCHEM 897 CORNWATER DRIVE
.XX ± .002		APPROVED	306	REDD FORD, CALIFORNIA 94568
.X ± .005		MATERIAL		TITLE
NOTED		APPROVED		RD1 SERIES CONNECTOR
		APPROVED		RECEPTACLE
		PART NUMBER		REV. NO.
		PROJECT		RD10XX-XX%Y
		SCALE		1"=1"
		DATE		SHEET 2 OF 2

DO NOT SCALE THIS DRAWING