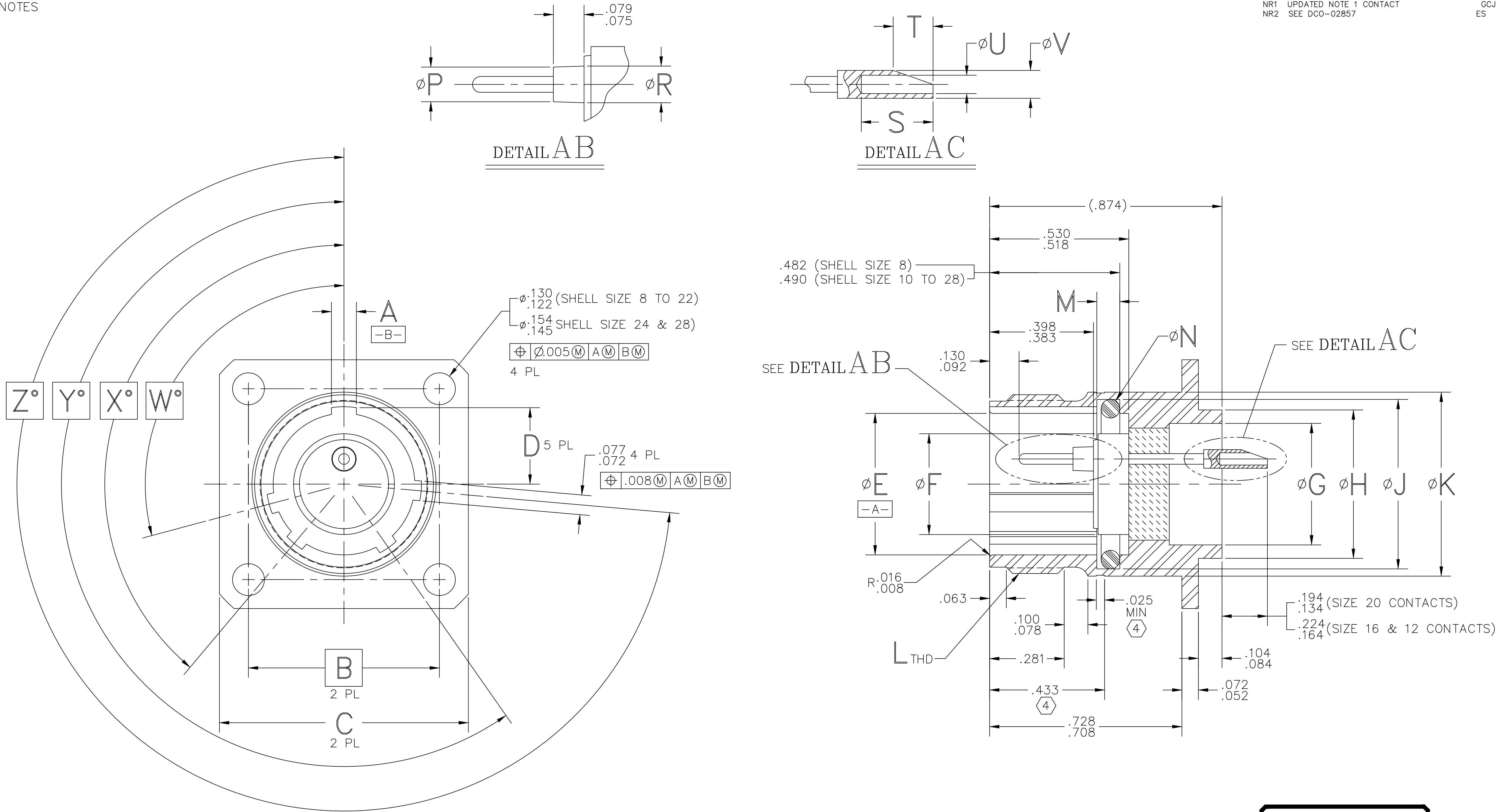


SEE SHEET 2 OF 2 FOR TABULATED
DIMENSIONS AND NOTES

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
NR		INITIAL RELEASE	05/11/11	KP
NR1	UPDATED NOTE 1	CONTACT	6/18/15	CP
NR2	SEE DCO-02857		ES 12/10/2020	MD



SHELL KEYWAY POSITIONS												
POSITION	SHELL SIZE 8				SHELL SIZE 10				SHELL SIZE 12 TO 28			
	W°	X°	Y°	Z°	W°	X°	Y°	Z°	W°	X°	Y°	Z°
N	105	140	215	265	105	140	215	265	105	140	215	265
6	102	132	248	320	102	132	248	320	18	149	192	259
7	80	118	230	312	80	118	230	312	92	152	222	342
8	35	140	205	275	35	140	205	275	84	152	204	334
9	64	155	234	304	64	155	234	304	24	135	199	240
Y	—	—	—	—	25	115	220	270	98	152	268	338

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NEXT ASSY	USED ON
APPLICATION	

QTY REQ'D		CODE IDENT	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION					
PARTS LIST									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± ~ .XX ± ~ ± ~ .XXX ± .005				HIREL CONNECTORS INC. 700 W. SHAWAN DRIVE CHANDLER, AZ 85226					
				APPROVALS		DATE		CONNECTOR, RECEPTACLE SQUARE FLANGE MTG, HERMETIC PER EUROPEAN STANDARD EN2997	
				DRAWN <i>L. DISHMAN</i>		9/15/99			
CHECKED R. JIMENEZ		05/11/11							
MATERIAL		1							
FINISH		1				SIZE CODE IDENT NO. DRAWING NO. D 34222 EN2997Y*O****M*			
DO NOT SCALE DRAWING				SCALE ~		10467			
						SHEET 1 OF 2			

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D

C

B

A

SHELL SIZE	$\pm.003$ $\varnothing A$	B _{BSC}	C	D	$\varnothing E$	$\varnothing F_{MAX}$	$\varnothing G_{MIN}$	$\varnothing H$	$\varnothing J$	$\varnothing K_{MAX}$	L _{THREAD}	M	$\pm.003$ $\varnothing N$
8	.094	.594	.812	.233 .228	.418 .413	.290	.400	.500 .494	.495 .490	.562	.5625–24 UNEF–2A	.076 .071	.056
10		.719	.937	.293 .288	.535 .530	.388	.411	.562 .556	.641 .636	.696	.6875–24 UNEF–2A		
12		.812	1.031	.378 .373	.705 .700	.558	.581	.750 .744	.811 .806	.875	.8750–20 UNEF–2A		
14		.906	1.125	.413 .408	.774 .769	.627	.650	.812 .806	.880 .875	.936	.9375–20 UNEF–2A		
16	.125	.969	1.250	.476 .471	.901 .896	.772	.777	.937 .931	1.007 1.002	1.062	1.0625–18 UNEF–2A		
18		1.062	1.343	.529 .524	1.007 1.002	.860	.864	1.062 1.056	1.113 1.108	1.187	1.1875–18 UNEF–2A	.089 .084	.070
20		1.156	1.437	.591 .586	1.132 1.127	.985	1.034	1.187 1.181	1.238 1.233	1.312	1.3125–18 UNEF–2A		
22		1.250	1.562	.654 .649	1.257 1.252	1.110	1.133	1.312 1.306	1.363 1.358	1.437	1.4375–18 UNEF–2A		
24		1.375	1.703	.716 .711	1.382 1.377	1.235	1.284	1.437 1.431	1.488 1.483	1.562	1.5625–18 UNEF–2A		
28		1.562	2.000	.843 .838	1.632 1.627	1.477	1.528	1.686 1.680	1.738 1.733	1.812	1.8125–16 UN–2A		

CONTACT SIZE	$\varnothing P$	$\pm.002$ $\varnothing R$	S	T	$\varnothing U$	$\varnothing V$
20	.090 .084	.092	.188 .109	.110 .068	.048 .042	.088 .061
16	.113 .107	.115	.251 .172	.149 .109	.075 .069	.116 .096
12	.152 .145	.154	.251 .172	.141 .109	.122 .112	.150 .130

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS AND FINISHES:

HOUSING: 300 SERIES STAINLESS STEEL PER ASTM A582, ELECTROPOLISHED AFTER SEALING.

PIN CONTACTS: IRON-NICKEL ALLOY PER MIL-I-23011, CLASS 2, GOLD PLATED, .00005 MIN THICKNESS OVER NICKEL PLATE PER AMS-QQ-N-290.

PIN CONTACTS INSULATOR: FUSED VITREOUS

INTERFACIAL SEAL: FLUROSILICONE/SILICONE BLEND TO MEET THE REQUIREMENTS OF EN2997-2, MODELS Y & YE.

O-RING SEAL: FLUROSILICONE/SILICONE BLEND TO MEET THE REQUIREMENTS OF EN2997-2, MODELS Y & YE.

2. THE CONNECTOR DESCRIBED ON THIS DRAWING MEETS THE TECHNICAL, ELECTRICAL AND DIMENSIONAL REQUIREMENTS OF EN2997-1, EN2997-2, EN2997-5 AND THE APPLICABLE TESTS OF EN2591.

3. TEMPERATURE RANGE: -65°C TO +200°C CONTINUOUS (MODEL Y)
-65°C TO +260°C PEAK (MODEL YE)

4. BLUE COLOR FULLY COUPLED INDICATOR BAND.

5. DELETED

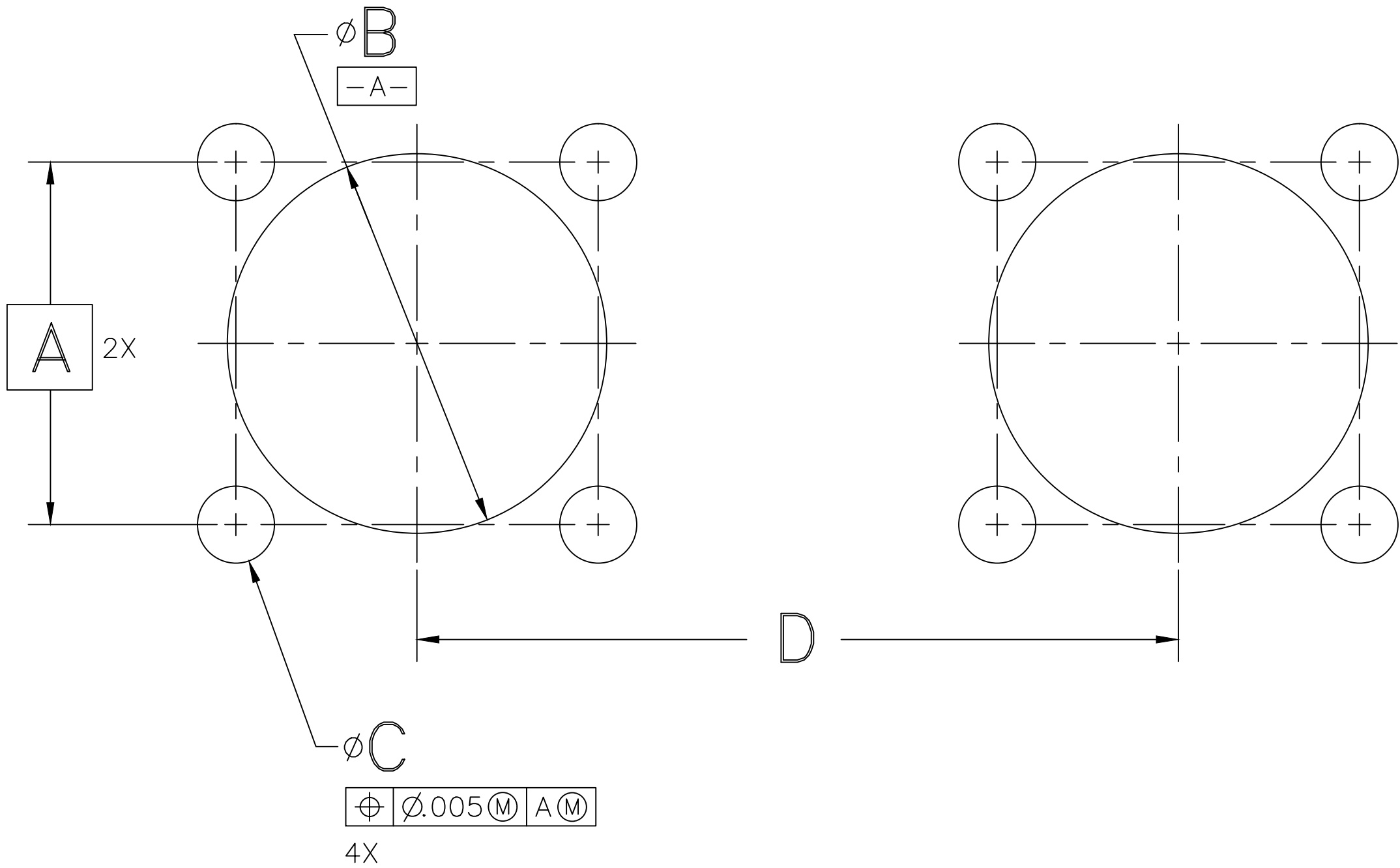
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Confidential (b)(1), the 2, 12600 the Cal in strict replicate without			.XXX ± .005		DRAWN <i>L DISHMAN</i>		9/15/99		CONNECTOR, RECEPTACLE SQUARE FLANGE MTG, HERMETIC PER EUROPEAN STANDARD EN2997							
			MATERIAL		CHECKED R. JIMENEZ		05/11/11									
			FINISH													
			1						SIZE		CODE IDENT NO.		DRAWING NO.			
			1						D		34222		EN2997Y*0****M*			
			NEXT ASSY		USED ON											
			APPLICATION		DO NOT SCALE DRAWING						SCALE		10472		SHEET 2 OF 2	

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE
SEE SHEET 1 FOR REVISIONS			



SHELL SIZE	A_{BSC}	$\varnothing B_{MIN}$	$\varnothing C$	D_{MIN}
8	.594	.622	.130 .122	1.248
10	.719	.736		1.374
12	.812	.921		1.559
14	.906	.980		1.624
16	.969	1.114		1.750
18	1.062	1.224		1.864
20	1.156	1.358	.154 .145	2.043
22	1.250	1.476		2.130
24	1.375	1.598		2.254
28	1.562	1.890		2.569

PANEL CUTOUT AND CONNECTOR MOUNTING

ENVELOPE

D

C

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