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LOC

DIST

REV

PER

ECO

15-006633

DATE

5-11-15

DWN

CT

APVD

DM

1. THIS CONNECTOR ASSEMBLY IS SUPPLIED WITH METAL CONTACT RETENTION CLIPS INSTALLED IN THE INSERT ASSEMBLY.

2. THIS CONNECTOR ASSEMBLY MEETS THE REQUIREMENTS OF LORAL SPEC 010772 AND MATES WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.

3. MARK WITH .047 [1.19]-.062 [1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. IF THE REAR SHELL IS TOO SMALL FOR THE ENTIRE CUSTOMER PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:

A. "B010772" ON FRONT SHELL, FAR SIDE.

B. CUSTOMER BASE NUMBER ON FRONT SHELL, NEAR SIDE.

C. "AMP" AND DATE CODE ON FRONT SHELL, NEAR SIDE.

D. AMP PART NUMBER ON REAR SHELL, NEAR SIDE.

4. DIMENSIONS ARE .155 [3.94] MINIMUM FULL PIN DIAMETER EXTENSION (SIZES 3 THRU 6) AND .164 [4.17] MINIMUM FULL PIN DIAMETER EXTENTION (SIZES 1 AND 2).

5. MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY IS .072 [1.83] DIAMETER.

6. FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 7516. FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO AMP IS 7508.

7. DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.

8. THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.

PRELIMINARY — NOT RELEASED FOR PRODUCTION	.040 .020 [1.02 0.51]	.432 .412 [10.97 10.46]	1.093 1.073 [27.76 27.25]	.241 .229 [6.12 5.82]	.432 .412 [10.97 10.46]	.509 .479 [12.93 12.17]	.334 .324 [8.48 8.23]	1.317 1.307 [33.45 33.20]	.999 .989 [25.37 25.12]	1.556 1.526 [39.52 38.76]	MS18274-1	15	2	B010772-0044	3-448815-2	3-448815-2
PRELIMINARY — NOT RELEASED FOR PRODUCTION	.049 .029 [1.24 0.74]	.544 .524 [13.82 13.31]	2.188 2.168 [55.58 55.07]	.236 .224 [5.99 5.69]	.436 .416 [11.07 10.57]	.620 .590 [15.75 14.99]	.441 .431 [11.20 10.95]	2.411 2.401 [61.24 60.99]	2.084 2.074 [52.93 52.68]	2.650 2.620 [67.31 66.55]	MS18277-1	50	5	B010772-0031	1-448815-5	1-448815-5
		.432 .412 [10.97 10.46]	1.635 2.262 [41.53 57.45]					.509 .479 [12.93 12.17]	.334 .324 [8.48 8.23]	2.505 2.495 [63.63 63.37]	2.187 2.177 [55.55 55.30]	2.744 2.714 [69.70 68.94]	MS18276-1	37	4	B010772-0029
	1.093 1.615 [27.76 41.02]		1.857 1.847 [47.17 46.91]	1.539 1.529 [39.09 38.84]	2.103 2.073 [53.42 52.65]	MS18275-1	25			3	B010772-0027	1-448815-3	1-448815-3			
	1.073 .769 [27.25 19.53]		1.317 1.307 [33.45 33.20]	.999 .989 [25.37 25.12]	1.556 1.526 [39.52 38.76]	MS18274-1	15			2	B010772-0025	1-448815-2	1-448815-2			
	.040 .020 [1.02 0.51]	.749 [19.02]	.241 .229 [6.12 5.82]	.432 .412 [10.97 10.46]	.620 .590 [15.75 14.99]	.441 .431 [11.20 10.95]	2.411 2.401 [61.24 60.99]	2.084 2.074 [52.93 52.68]	2.650 2.620 [67.31 66.55]	MS18273-1	9	1	B010772-0023	1-448815-1	1-448815-1	
		.049 .029 [1.24 0.74]					.544 .524 [13.82 13.31]	2.188 2.168 [55.58 55.07]	.236 .224 [5.99 5.69]	.436 .416 [11.07 10.57]	2.505 2.495 [63.63 63.37]	2.187 2.177 [55.55 55.30]	2.744 2.714 [69.70 68.94]	MS18277-1	50	5
	.432 .412 [10.97 10.46]		1.635 2.262 [41.53 57.45]	.509 .479 [12.93 12.17]	.334 .324 [8.48 8.23]	1.857 1.847 [47.17 46.91]	1.539 1.529 [39.09 38.84]	2.103 2.073 [53.42 52.65]			MS18276-1	37	4	A010772-0007	448815-9	448815-9
		1.093 .769 [27.76 19.53]	1.317 1.307 [33.45 33.20]			.999 .989 [25.37 25.12]	1.556 1.526 [39.52 38.76]	MS18275-1	25	3	A010772-0005	448815-8	448815-8			
	.040 .020 [1.02 0.51]	.749 [19.02]	.241 .229 [6.12 5.82]	.432 .412 [10.97 10.46]	.620 .590 [15.75 14.99]	.441 .431 [11.20 10.95]	2.411 2.401 [61.24 60.99]	2.084 2.074 [52.93 52.68]	2.650 2.620 [67.31 66.55]	MS18274-1	15	2	A010772-0003	448815-7	448815-7	
		.049 .029 [1.24 0.74]					.544 .524 [13.82 13.31]	2.188 2.168 [55.58 55.07]	.236 .224 [5.99 5.69]	.436 .416 [11.07 10.57]	2.505 2.495 [63.63 63.37]	2.187 2.177 [55.55 55.30]	2.744 2.714 [69.70 68.94]	MS18273-1	9	1
.432 .412 [10.97 10.46]	1.635 2.262 [41.53 57.45]		.509 .479 [12.93 12.17]	.334 .324 [8.48 8.23]	1.857 1.847 [47.17 46.91]	1.539 1.529 [39.09 38.84]	2.103 2.073 [53.42 52.65]	MS18277-1			50	5	B010772-0009	448815-5	448815-5	
	1.093 .769 [27.76 19.53]	1.317 1.307 [33.45 33.20]			.999 .989 [25.37 25.12]	1.556 1.526 [39.52 38.76]	MS18276-1	37	4	B010772-0007	448815-4	448815-4				
.040 .020 [1.02 0.51]	.749 [19.02]	.241 .229 [6.12 5.82]	.432 .412 [10.97 10.46]	.620 .590 [15.75 14.99]	.441 .431 [11.20 10.95]	2.411 2.401 [61.24 60.99]	2.084 2.074 [52.93 52.68]	2.650 2.620 [67.31 66.55]	MS18275-1	25	3	B010772-0005	448815-3	448815-3		
	.049 .029 [1.24 0.74]					.544 .524 [13.82 13.31]	2.188 2.168 [55.58 55.07]	.236 .224 [5.99 5.69]	.436 .416 [11.07 10.57]	2.505 2.495 [63.63 63.37]	2.187 2.177 [55.55 55.30]	2.744 2.714 [69.70 68.94]	MS18274-1	15	2	B010772-0003
.432 .412 [10.97 10.46]		1.635 2.262 [41.53 57.45]	.509 .479 [12.93 12.17]	.334 .324 [8.48 8.23]	1.857 1.847 [47.17 46.91]	1.539 1.529 [39.09 38.84]	2.103 2.073 [53.42 52.65]			MS18273-1	9	1	B010772-0001	448815-1	448815-1	
	L	J			H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	CUSTOMER P/N ON CONNECTOR

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± -
4 PLC ± - ± 1°
ANGLES

MATERIAL

SEE CALLOUTS

DWN
AJ GRAFF
2-11-93

CHK
F. KINSEY
2-17-93

APVD
F. KINSEY
2-17-93

NAME

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

CUSTOMER DRAWING

SCALE 4:1

SHEET 1 OF 2

REV E

AMPLIMITE

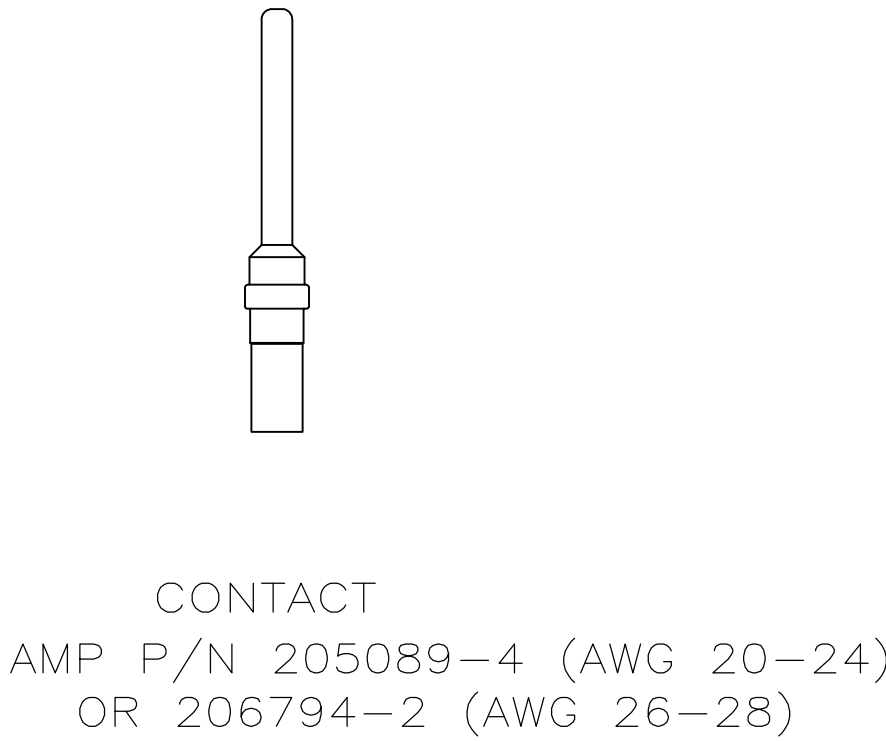
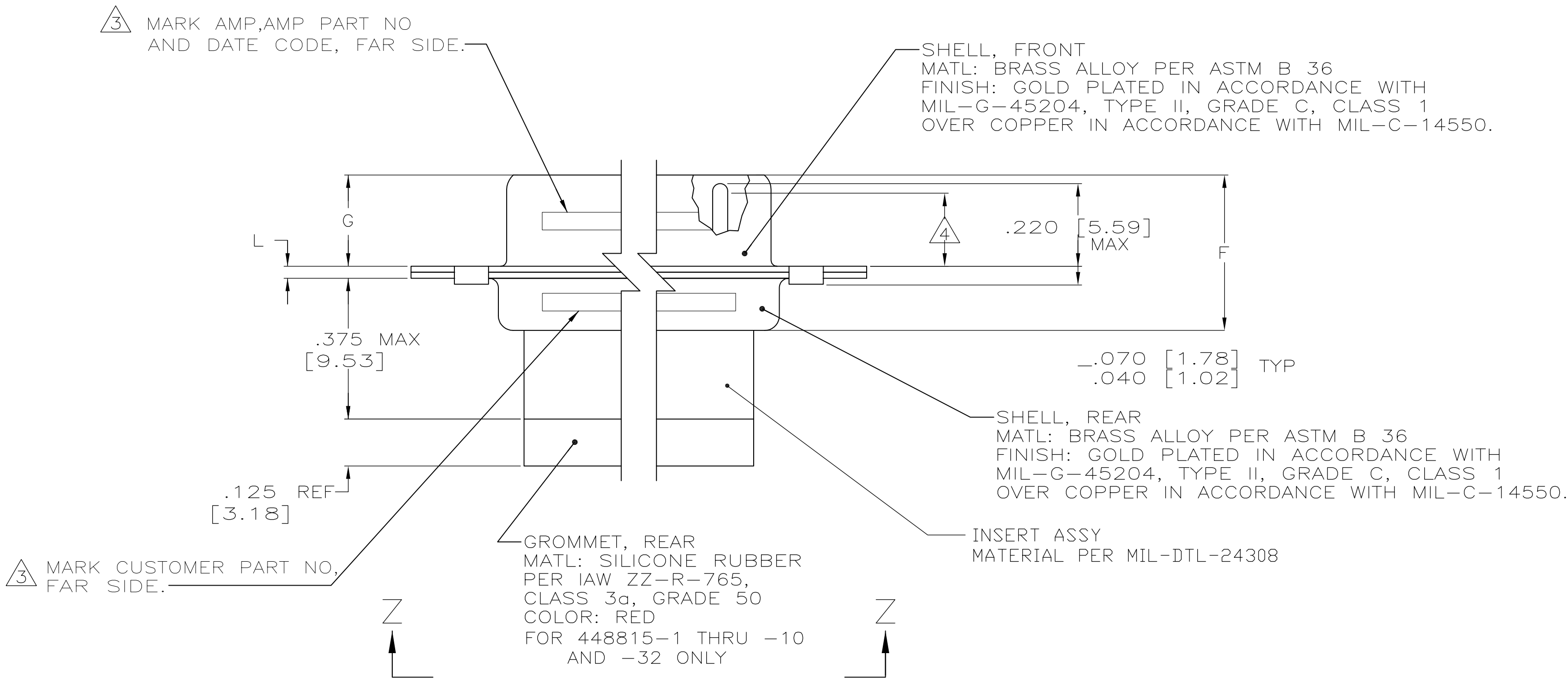
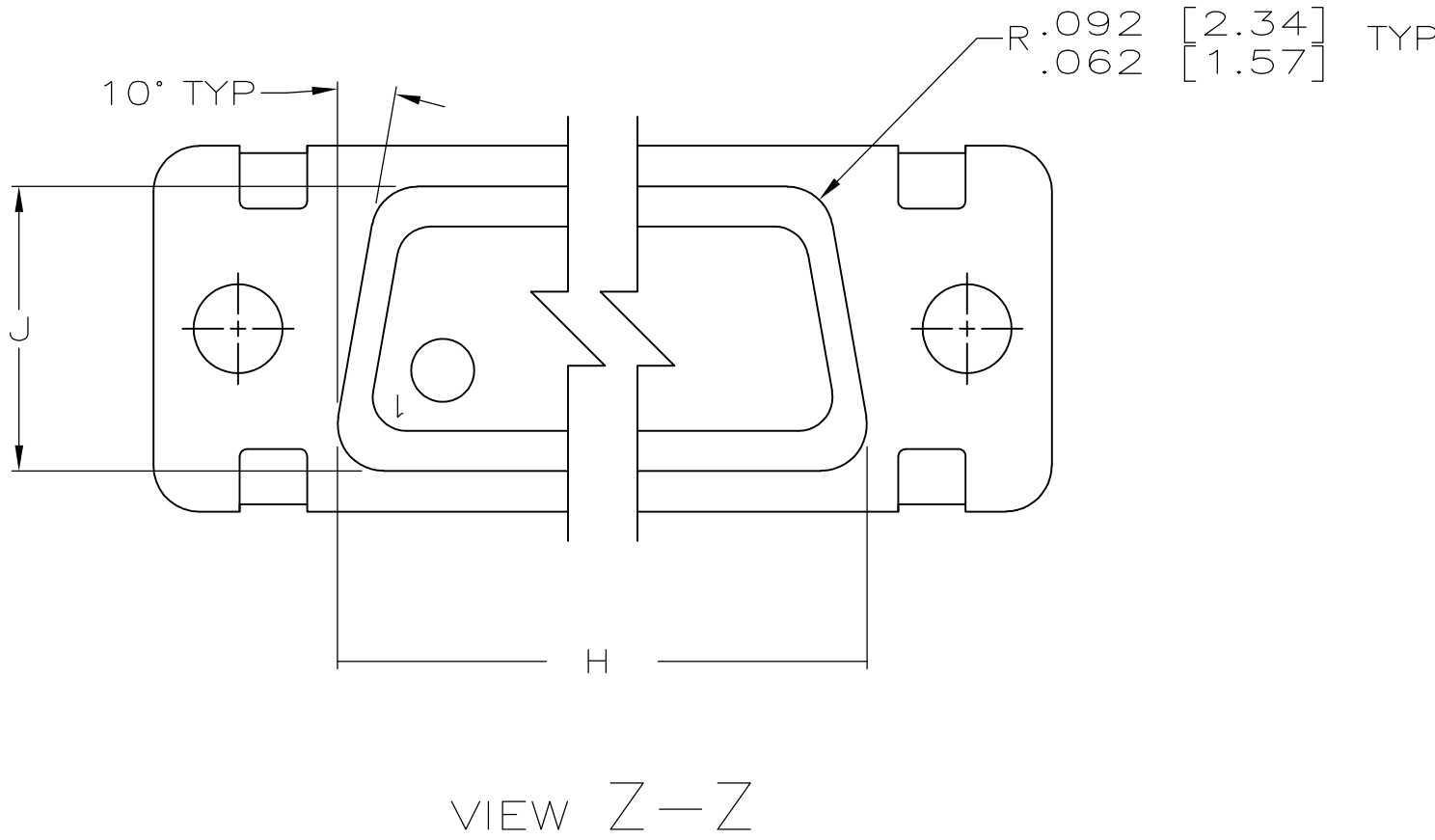
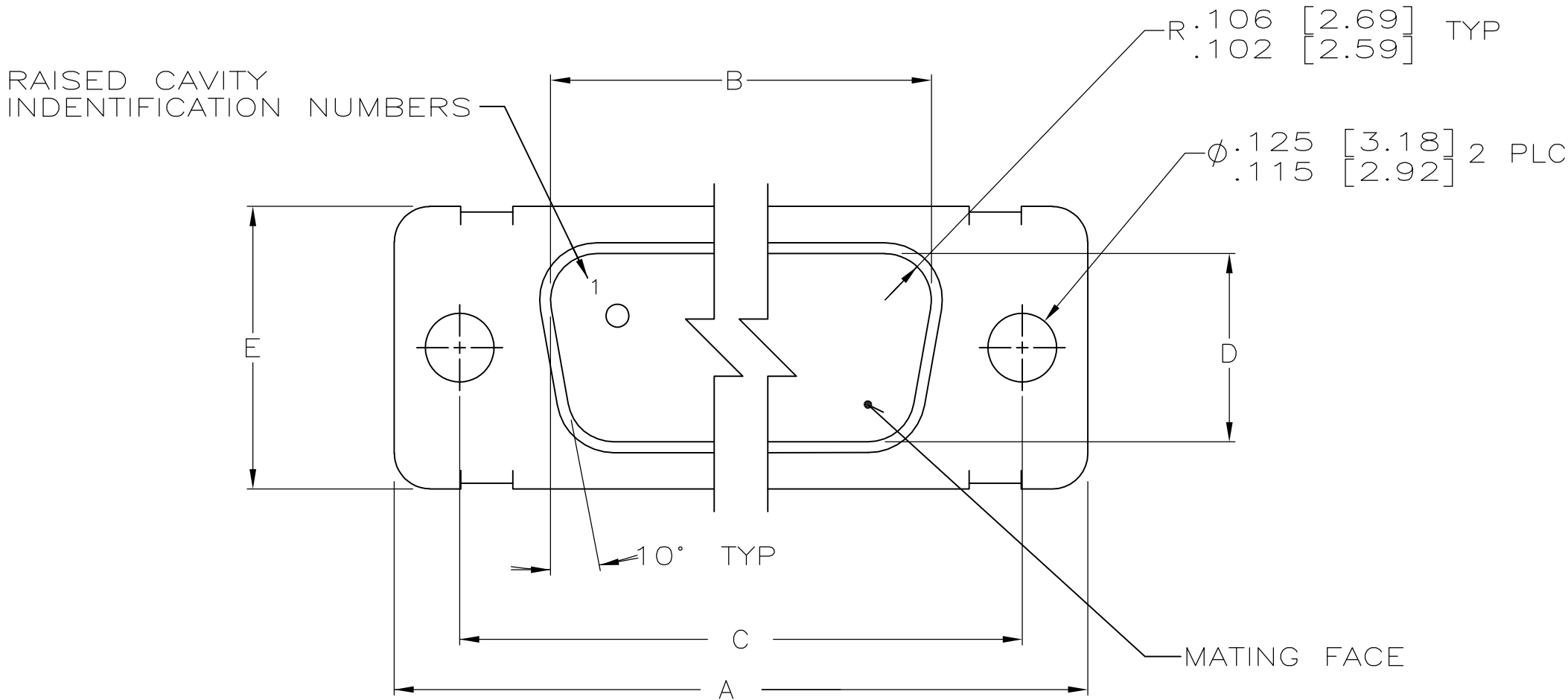
TE Connectivity

AMPLIMITE NONMAGNETIC PLUG ASSY
WITH SIZE 20 CRIMP TYPE PIN CONTACTS
SERIES 109, SHELL SIZES 1 THRU 5

A100779-448815

4805 (3/11)

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
—	—	—	—	SEE SHEET 1	—	—



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN AJ GRAFF 2-11-93	 TE Connectivity		
		CHK F. KINSEY 2-17-93			
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD —	NAME	AMPLIMITE NONMAGNETIC PLUG ASSY WITH SIZE 20 CRIMP TYPE PIN CONTACTS, SERIES 109,	
	0 PLC ± —	PRODUCT SPEC	SIZE	CAGE CODE	DRAWING NO
	1 PLC ± —	MIL-C-24308			
	2 PLC ± —	APPLICATION SPEC	A1	00779	C448815
	3 PLC ± —	—			
MATERIAL SEE CALLOUTS	FINISH SEE CALLOUTS	WEIGHT —	RESTRICTED TO —		
		CUSTOMER DRAWING	SCALE	4:1	SHEET 2 OF 2
			REV E		

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