

8

7

6

5

4

3

2

1

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LOC

DIST

REV

PER

ECO

15-006633

DATE

5-11-15

DWN

CT

APVD

DM

1. THE CONNECTOR DESCRIBED IN THIS DOCUMENT WILL MATE WITH ANY RECEPTACLE CONNECTOR WITH THE SAME INSERT ARRANGEMENT.

2. MARKED WITH .047-.062 [1.19-1.57] HIGH CHARACTERS. FAR SIDE REFERS TO THE WIDE SIDE OF THE KEYSTONE. NEAR SIDE REFERS TO THE NARROW SIDE OF THE KEYSTONE. WHEN SPACE IS LIMITED MARKING CAN BE SPLIT BETWEEN FRONT AND REAR SHELL.

3. UL/CSA DESIGNATION STAMPED IN THIS AREA.

4. CONNECTOR ASSEMBLY SUPPLIED WITH CONTACTS, TE P/N 1218371-1. PACKAGED IN A SEPARATE CONTAINER. QTY = NO. OF POSN. <SEE TABLE>.

RAISED CAVITY IDENTIFICATION NUMBER

MATING FACE

R.102±.002 TYP [2.59±0.051] <INSIDE RADIUS>

10° TYP

DIM D

DIM B

DIM C

DIM A

3

3

FOR SHELL SIZE 1 MANUFACTURES NAME, BRAND NAME OR LOGO AND DATE CODE MARKED ON NEAR SIDE

2

R .065 .040 [R 1.65 1.02]

DIM G

DIM L

.375 [9.52] MAX

SHELL, FRONT & REAR MAT'L: STEEL PER ASTM A 109 OR EQUIVALENT FINISH: ZINC PLATED .000200 [0.0051] MIN THICK PER ASTM-B-633 YELLOW CHROMATE

.050±.020 TYP [1.27±0.51]

#4-40 CLINCH NUT (2 PLC) MAT'L: CARBON STEEL FINISH: ZINC PLATED

FOR SHELL SIZE 1 MANUFACTURES PART NO. <SEE TABLE> MARKED ON NEAR SIDE

2

Z

Z

DIM E

DIM F

DIM J

DIM H

VIEW Z-Z

4

SIZE 20 PIN CONTACT MATERIAL: COPPER ALLOY PER MIL-C-39029 & MIL-DTL-24308. PLATING: GOLD PER ASTM-B-488 <TYPEII> OVER NICKEL PER AMS-QQ-N-290.

INSERT ASSY MATERIAL PER MIL-DTL-24308

4	1996839-1	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	.769 [19.53] .749 [19.02]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	.989 [25.12] .979 [24.87]	.671 [17.04] .661 [16.79]	1.228 [31.19] 1.198 [30.43]	MS18273-1	9	1	1996839-1
REMARKS	MFG. PART NUMBER 2	L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± .005 [0.13]

4 PLC ± - ± 1°

ANGLES

MATERIAL SEE CALLOUTS

DWN C.C.THOMAS 7-28-08

CHK R LEASE 7-28-08

APVD R LEASE 7-28-08

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

SCALE 4:1

SHEET 1 OF 1

REV B

TE Connectivity

AMPLITE PLUG ASSY, SIZE 1 SERIES 109 WITH ZINC PLATED SHELLS

SIZE A1

CAGE CODE 00779

DRAWING NO 1996839

RESTRICTED TO -

4805 (3/11)

Mouser Electronics

Authorized Distributor

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