

8

7

6

5

4

3

2

1

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LOC

DIST

F

LTR

DESCRIPTION

DATE

DWN

APVD

G

REV PER ECO 15-005906

5-19-15

CT

DM

RAISED CAVITY IDENTIFICATION NUMBERS

DIM B

R.106 [2.69]
.102 [2.59] TYP

Ø.125 [3.18]
.115 [2.92] 2 PLC

DIM E

10° TYP

DIM C

MATING FACE

DIM A

△ MARK MFG'S(NAME, BRAND OR LOGO), MFG'S PART NO AND DATE CODE, FAR SIDE.

R.065 [1.65]
.040 [1.02]

DIM L

DIM G

.375 MAX [9.53]

.070 [1.78]
.030 [0.76] TYP

INSERT ASSY MATERIAL PER MIL-DTL-24308

10° TYP

DIM J

DIM H

R.092 [2.34]
.062 [1.57] TYP

SHELL, FRONT & REAR
MATL: STEEL PER ASTM A 109
OR EQUIVALENT
FINISH: ZINC PLATE PER ASTM-B-633,
.000200 [0.0051] MIN THK WITH
SUPPLEMENTARY CHROMATE (CR3+)

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

2. MARKED 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 FRONT SHELL IS TOO SMALL FOR "MFG'S"(NAME, BRAND OR LOGO), MFG'S PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:
A. MFG'S PART NUMBER ON REAR SHELL, FAR SIDE.
B. "MFG'S" (NAME, BRAND OR LOGO) AND DATE CODE ON FRONT SHELL, FAR SIDE.

INTERFACIAL SEAL

13

25

14

.500 [12.70] REF

.125 [3.17]

GROMMET MAT'L: SILICONE RUBBER

VIEW FOR 1218748-6 THRU -10 ONLY

PRELIMINARY NOT RELEASED FOR PRODUCTION	WITH GROMMET & INTERFACIAL SEAL	.049 [1.24] .029 [0.74]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.620 [15.75] .590 [14.99]	.446 [11.33] .436 [11.07]	2.411 [61.24] 2.401 [60.99]	.6124 [15.55] 2.074 [52.68]	2.084 [52.93] 2.074 [52.68]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	1-1218748-0
PRELIMINARY NOT RELEASED FOR PRODUCTION	WITH GROMMET & INTERFACIAL SEAL	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	2.505 [63.63] 2.495 [63.37]	2.187 [55.55] 2.177 [55.30]	2.744 [69.70] 2.714 [68.94]	MS18276-1	37	4	1218748-9	
PRELIMINARY NOT RELEASED FOR PRODUCTION	WITH GROMMET & INTERFACIAL SEAL	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [46.91] 1.847 [46.91]	1.539 [39.09] 1.529 [38.84]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	1218748-8	
PRELIMINARY NOT RELEASED FOR PRODUCTION	WITH GROMMET & INTERFACIAL SEAL	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.317 [33.45] 1.307 [33.20]	.999 [25.37] .989 [25.12]	1.556 [39.52] 1.526 [38.76]	MS18274-1	15	2	1218748-7	
PRELIMINARY NOT RELEASED FOR PRODUCTION	WITH GROMMET & INTERFACIAL SEAL	.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	1218748-6	
-	-	.049 [1.24] .029 [0.74]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.620 [15.75] .590 [14.99]	.446 [11.33] .436 [11.07]	2.411 [61.24] 2.401 [60.99]	.6124 [15.55] 2.074 [52.68]	2.084 [52.93] 2.074 [52.68]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	1218748-5
-	-	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	2.505 [63.63] 2.495 [63.37]	2.187 [55.55] 2.177 [55.30]	2.744 [69.70] 2.714 [68.94]	MS18276-1	37	4	1218748-4	
-	-	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.238 [6.05] .229 [5.82]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [46.91] 1.847 [46.91]	1.539 [39.09] 1.529 [38.84]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	1218748-3	
-	-	.040 [1.02] .020 [0.51]	.432 [10.97] .412 [10.46]	1.093 [27.76] 1.073 [27.25]	.238 [6.05] .229 [5.82]	.432 [10.97] .412 [10.46]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.317 [33.45] 1.307 [33.20]	.999 [25.37] .989 [25.12]	1.556 [39.52] 1.526 [38.76]	MS18274-1	15	2	1218748-2	
-	-	.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	1218748-1	
REMARKS	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 ± -
4 PLC ± -
ANGLES ± -

MATERIAL SEE CALLOUTS

FINISH SEE CALLOUTS

WEIGHT -

CUSTOMER DRAWING

DWN C.C.THOMAS 11-10-00

CHK R.GROSS 11-10-00

APVD R.GROSS 11-10-00

PRODUCT SPEC

APPLICATION SPEC

SIZE CAGE CODE DRAWING NO

RESTRICTED TO

TE Connectivity

PLUG ASSY,AMPLIMITE,SERIES 109, SIZE 20,ZINC PLATED

A1007791218748

SCALE 4:1 SHEET 1 OF 1 REV G

4805 (3/11)

Mouser Electronics

Authorized Distributor

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[1218748-2](#)