

8

7

6

5

4

3

2

1

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LOC

DIST

P

LTR

DESCRIPTION

DATE

DWN

APVD

H

REV

PER

ECO-15-016062

09NOV15

KG

CD

RAISED CAVITY IDENTIFICATION NUMBER

MATING FACE

R.102±.002 TYP
[2.59±0.05]
(INSIDE RADIUS)

Ø.120 2 PLC
[Ø3.05]

10° TYP

DIM D

DIM B

DIM C

DIM A

2

3

FOR SHELL SIZE 1 & 2
AMP & DATE CODE
MARKED ON NEAR SIDE
FOR SHELL SIZE 3, 4 & 5
MILITARY PART NO.
MARKED ON FAR SIDE

R .065
.040
[R 1.65
1.02]

DIM G

DIM L

.375
[9.52] MAX

SHELL, FRONT & REAR
MATL: 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]

INSERT ASSY
MATERIAL PER MIL-DTL-24308

FOR SHELL SIZE 1 & 2
TE PART NO. (SEE TABLE)
MARKED ON NEAR SIDE
MILITARY PART NO. (SEE TABLE)
MARKED ON FAR SIDE
FOR SHELL SIZE 3, 4 & 5
AMP, TE PART NO. AND
DATE CODE MARKED ON FAR SIDE

2

Z

Z

10° TYP

DIM J

DIM H

2

3

R .092
.062
[R 2.34
1.57]

DIM E

DIM F

5

VIEW Z-Z

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.

5	M24308/4-5Z	M24308/4-5Z	1-1757819-0	.049 [1.24] .029 [0.74]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.236 [5.99] .224 [5.69]	.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]	2.084 [52.93] 2.074 [52.68]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	1-1757819-0
5	M24308/4-4Z	M24308/4-4Z	1757819-9	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.236 [5.99] .224 [5.69]	.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	1757819-9
5	M24308/4-3Z	M24308/4-3Z	1757819-8	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [47.17] 1.847 [46.91]	1.539 [39.09] 1.529 [38.84]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	1757819-8
5	M24308/4-2Z	M24308/4-2Z	1757819-7	.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	1757819-7
5	M24308/4-1Z	M24308/4-1Z	1757819-6	.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	1757819-6
4	M24308/4-263Z	M24308/4-5Z	1-1757819-0	.049 [1.24] .029 [0.74]	.544 [13.82] .524 [13.31]	2.188 [55.58] 2.168 [55.07]	.236 [5.99] .224 [5.69]	.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]	2.084 [52.93] 2.074 [52.68]	2.650 [67.31] 2.620 [66.55]	MS18277-1	50	5	1757819-5
4	M24308/4-262Z	M24308/4-4Z	1757819-9	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	2.282 [57.96] 2.262 [57.45]	.236 [5.99] .224 [5.69]	.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	1757819-4
4	M24308/4-261Z	M24308/4-3Z	1757819-8	.049 [1.24] .029 [0.74]	.432 [10.97] .412 [10.46]	1.635 [41.53] 1.615 [41.02]	.236 [5.99] .224 [5.69]	.436 [11.07] .416 [10.57]	.509 [12.93] .479 [12.17]	.334 [8.48] .324 [8.23]	1.857 [47.17] 1.847 [46.91]	1.539 [39.09] 1.529 [38.84]	2.103 [53.42] 2.073 [52.65]	MS18275-1	25	3	1757819-3
4	M24308/4-260Z	M24308/4-2Z	1757819-7	.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	1757819-2
4	M24308/4-259Z	M24308/4-1Z	1757819-6	.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	1757819-1
REMARKS	MILITARY P/N ON PACKAGE	MILITARY P/N ON CONNECTOR	MARKED TE PART NUMBER	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

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES

± -
± -
± -
± .005 [0.13]
± - ± 1°

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

SEE CALLOUTS

MATERIAL

SEE CALLOUTS

DWN
C.C.THOMAS
5-16-05

CHK
D.MILLER
5-17-05

APVD
D.MILLER
5-17-05

NAME

SIZE
CAGE CODE
DRAWING NO

RESTRICTED TO

TE Connectivity

AMPLIMITE PLUG ASSY,SIZE 1 THRU 5
SERIES 109 WITH ZINC PLATED SHELLS

100779

1757819

CUSTOMER DRAWING

SCALE
4:1

SHEET
1 of 1

REV
H

4805 (3/11)