

8

7

6

5

4

3

2

1

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LOC

DIST

P

LTR

DESCRIPTION

DATE

DWN

APVD

G

REV PER ECO 15-006633

6-7-15

CT

DM

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

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]

2

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

INSERT ASSY
MATERIAL PER MIL-DTL-24308

Z

Z

VIEW Z-Z

DIM E

DIM F

5

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.

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 WITHOUT CONTACTS, TE CONNECTIVITY P/N 205089-1. MUST BE ORDERED SEPARATELY.

5. CONNECTOR ASSEMBLY SUPPLIED WITH CONTACTS, TE CONNECTIVITY P/N 205089-1. PACKAGED IN A SEPARATE CONTAINER. QTY = NO. OF POSN. (SEE TABLE).

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

2

MARKED TE 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.

DWN
C.C.THOMAS
5-16-05

CHK
D.MILLER
5-17-05

APVD
D.MILLER
5-17-05

NAME

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -
1 PLC ± -
2 PLC ± -
3 PLC ± .005 [0.13]
4 PLC ± - ± .1°
ANGLES

Ø

10°

MATERIAL
SEE CALLOUTS

FINISH
SEE CALLOUTS

WEIGHT
-

SIZE
A1

CAGE CODE
00779

DRAWING NO
1757819

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
4:1

SHEET
1 of 1

REV
G

TE Connectivity

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

4805 (3/11)