

8

7

6

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LOC

DIST

REV

PER

ECO

09-016341

DATE

20AUG09

DWN

PY

APVD

RL

REVISIONS

DESCRIPTION

DATE

DWN

APVD

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 P/N 205089-1. MUST BE ORDERED SEPARATELY.

5.

CONNECTOR ASSEMBLY SUPPLIED WITH CONTACTS, TE P/N 205089-1. 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)

Ø.120 2 PLC
[Ø3.05]

10° TYP

DIM D

DIM B

DIM C

DIM A

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
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]

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

DIM E

DIM F

VIEW Z-Z

10° TYP

DIM J

DIM H

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 ASSEMBLY
MAT'L: POLYESTER PER MIL-M-24519, TYPE: GPT-30F
COLOR, BLUE

R .092
.062
[R 2.34
1.57]

5	M24308/4-5	M24308/4-5	1-1757819-0	.049 [1.241] .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	M24308/4-4	M24308/4-4	1757819-9	.049 [1.241] .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	M24308/4-3	M24308/4-3	1757819-8	.049 [1.241] .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	M24308/4-2	M24308/4-2	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	M24308/4-1	M24308/4-1	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	M24308/4-263	M24308/4-5	1-1757819-0	.049 [1.241] .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	M24308/4-262	M24308/4-4	1757819-9	.049 [1.241] .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	M24308/4-261	M24308/4-3	1757819-8	.049 [1.241] .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	M24308/4-260	M24308/4-2	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	M24308/4-259	M24308/4-1	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

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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

MATERIAL
SEE CALLOUTS

FINISH
SEE CALLOUTS

WEIGHT
-

CUSTOMER DRAWING

DWN
C.C.THOMAS
5-16-05

CHK
D.MILLER
5-17-05

APVD
D.MILLER
5-17-05

NAME

SIZE
A1

CAGE CODE
00779

DRAWING NO
1757819

RESTRICTED TO

SCALE
4:1

SHEET
1 of 1

REV
E

Tyco
Electronics

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

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

AMP 4805 REV 31MAR2000