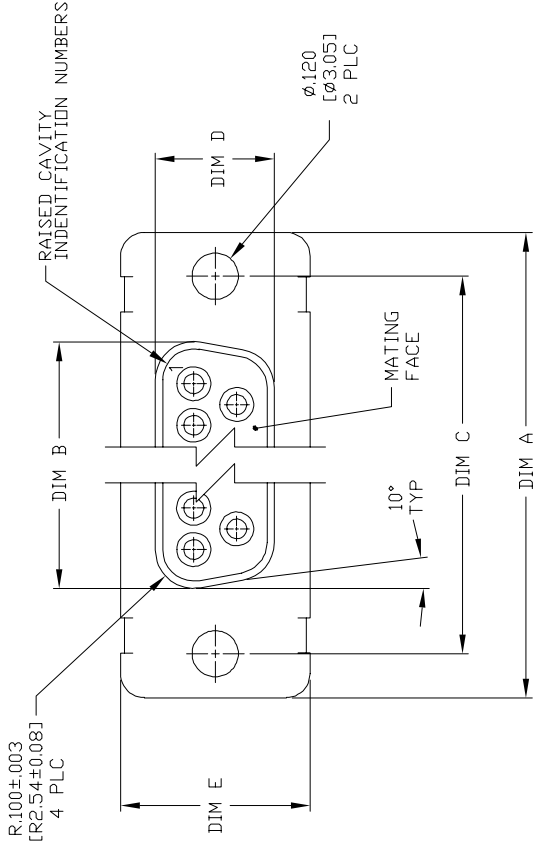
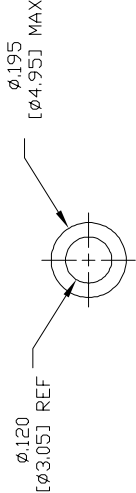
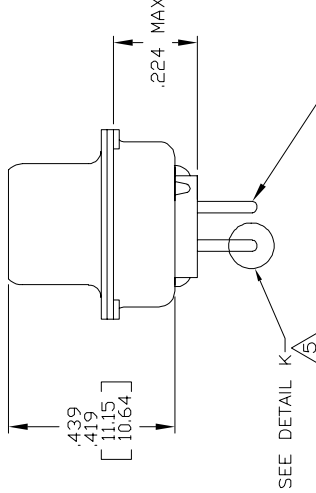
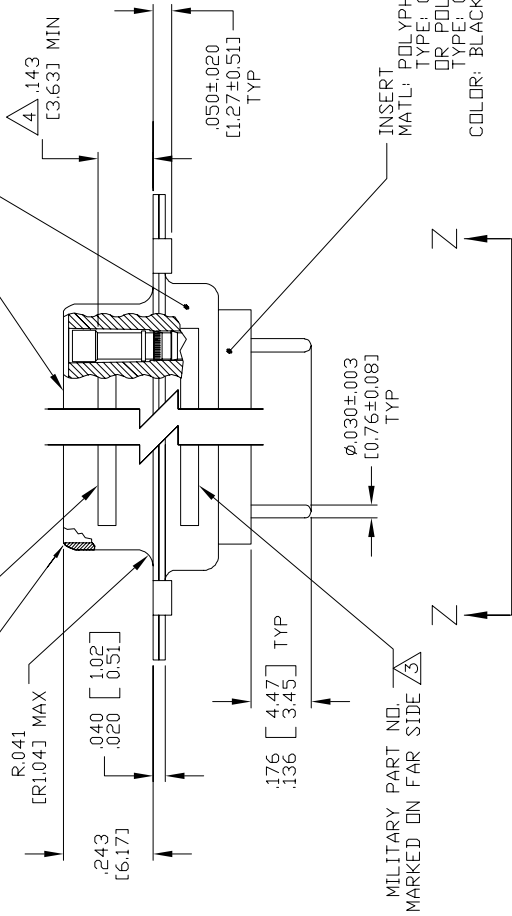


VIEW Z-Z



AMP MFG'S PART NO. AND DATE CODE MARKED ON FAR SIDE

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



INSERT
MATL: POLYPHENYLENE SULFIDE (PPS)
TYPE: GST-40F PER MIL-M-24519,
OR POLYESTER PER MIL-M-24519,
TYPE: GLCP-30F
COLOR: BLACK

CONTACT QTY = NO. OF POSN)
MATL: BRASS PER ASTM-B-16, OR BERYLLIUM
COPPER PER ASTM-B-194
FINISH: GOLD PER ASTM-B-488, TYPE II,
GRADE C, CLASS 1.27 IN CONTACT MATING AREA,
.000010 [0.00031] MIN THK GOLD PER ASTM-B-488
OVER .000050 [0.00131] MIN THK NICKEL
PER SAE-AMS-QQ-N-290 ON CONTACT BODY

SPACER
MATL: ALUMINUM ALLOY PER
ASTM B 211
FINISH: CLEAR-BLUE TRICHROMATE

- SEE SHEET 2 FOR RECOMMENDED P.C. BOARD LAYOUT. TRUE POSITION TOLERANCE FOR P.C. BOARD LAYOUT IS .010 [0.25] AT MAX MATERIAL CONDITION. SUGGESTED BOARD THICKNESS IS .062 [1.57] THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY PLUG CONNECTOR WITH SAME INSERT ARRANGEMENT.
- 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 REAR SHELL IS TOO SMALL FOR THE ENTIRE MILITARY PART NUMBER, MARKING SHALL BE LOCATED AS FOLLOWS:

- A. *M24308* ON FRONT SHELL, FAR SIDE.
B. SLASH SHEET AND DASH NUMBER ON REAR SHELL, FAR SIDE.
C. *AMP* AND DATE CODE ON FRONT SHELL, NEAR SIDE.
D. MFG'S PART NUMBER ON REAR SHELL, NEAR SIDE.

IF THE FRONT SHELL IS TOO SMALL FOR *AMP*, MFG'S PART NUMBER AND DATE CODE, MARKING SHALL BE SPLIT AS FOLLOWS:

- A. MFG'S PART NUMBER ON REAR SHELL, NEAR SIDE.
B. *AMP* AND DATE CODE ON FRONT SHELL, NEAR SIDE.
C. MILITARY PART NUMBER ON REAR SHELL, FAR SIDE.

POINT OF ELECTRICAL ENGAGEMENT - AS MEASURED WITH

A .0390-.0393 (0.991-0.998) DIA SQUARE ENDED PIN.

SOLDER DIPPED PER J-STD-001 WITH Sn63 SOLDER PER J-STD-006 IN THE ENTIRE AREA OF DIMENSION SHOWN. (1757828-6 THRU -10 ONLY.)
 MEETS SOLDERABILITY PER MIL-STD-202 METHOD 208.

SPACERS (QTY = 2) ARE SUPPLIED WITH CONNECTOR; NOT ATTACHED.

OBSOLETE	.544 [13.82]	2.188 [55.58]	.620 [15.75]	.428 [10.87]	2.411 [61.24]	2.069 [52.55]	2.650 [67.31]	MS18277-1	50	5	M24308/23-5Z	1757828-5	1-1757828-0
OBSOLETE	.524 [13.31]	2.168 [55.07]	.590 [14.99]	.418 [10.62]	2.401 [60.99]	2.059 [52.30]	2.620 [66.55]	MS18276-1	37	4	M24308/23-4Z	1757828-4	1757828-9
OBSOLETE	.432 [10.97]	2.282 [57.96]	.509 [12.93]	.316 [8.03]	2.505 [63.63]	2.164 [54.97]	2.744 [69.70]	MS18275-1	25	3	M24308/23-3Z	1757828-3	1757828-8
OBSOLETE	.412 [10.46]	1.635 [41.53]	.509 [12.93]	.316 [8.03]	1.857 [47.17]	1.516 [38.25]	2.103 [53.42]	MS18274-1	15	2	M24308/23-2Z	1757828-2	1757828-7
OBSOLETE	.432 [10.97]	1.093 [27.76]	.509 [12.93]	.316 [8.03]	1.317 [33.45]	.976 [24.79]	1.556 [39.52]	MS18273-1	9	1	M24308/23-1Z	1757828-1	1757828-6
OBSOLETE	.412 [10.46]	.769 [19.53]	.509 [12.93]	.316 [8.03]	.989 [25.12]	.648 [16.46]	1.228 [31.19]	MS18277-1	50	5	M24308/23-5Z	1757828-5	1757828-5
	.524 [13.31]	2.188 [55.58]	.620 [15.75]	.428 [10.87]	2.411 [61.24]	2.069 [52.55]	2.650 [67.31]	MS18276-1	37	4	M24308/23-4Z	1757828-4	1757828-4
	.432 [10.97]	2.282 [57.96]	.509 [12.93]	.316 [8.03]	2.505 [63.63]	2.164 [54.97]	2.744 [69.70]	MS18275-1	25	3	M24308/23-3Z	1757828-3	1757828-3
	.412 [10.46]	1.635 [41.53]	.509 [12.93]	.316 [8.03]	1.857 [47.17]	1.516 [38.25]	2.103 [53.42]	MS18274-1	15	2	M24308/23-2Z	1757828-2	1757828-2
	.432 [10.97]	1.093 [27.76]	.509 [12.93]	.316 [8.03]	1.317 [33.45]	.976 [24.79]	1.556 [39.52]	MS18273-1	9	1	M24308/23-1Z	1757828-1	1757828-1
	.412 [10.46]	.769 [19.53]	.509 [12.93]	.316 [8.03]	.989 [25.12]	.648 [16.46]	1.228 [31.19]	MS18273-1	9	1	M24308/23-1Z	1757828-1	1757828-1
	DIM J	DIM H	DIM E	DIM D	DIM C	DIM B	DIM A	INSERT ARRANGEMENT	NO. OF POS	SHELL SIZE	MILITARY P/N ON CONNECTOR	MFG'S P/N MARKED ON CONNECTOR	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DATE: 3-22-06
BY: G. THOMAS

DATE: 3-27-06
BY: D. MILLER

DATE: 3-27-06
BY: D. MILLER

OTHER VIEWS SHOWN:
DIMENSIONS: INCHES

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
FINISH

SEE CALLOUTS

TE Connectivity

RECEPTACLE ASSEMBLY AMPULITE POSTED
SERIES 109, SIZE 1 THRU 5

SIZE: 046 CODE: DRAWING NO: A1 00779 ©=1757828
RESTRICTED TO: —
WEIGHT: —
CUSTOMER DRAWING: SCALE: 4:1 SHEET 1 OF 2

WARNING - THIS DOCUMENT CONTAINS TECHNOLOGY WHOSE EXPORT IS RESTRICTED BY THE EXPORT ADMINISTRATION REGULATIONS ('EAR') PURSUANT TO 15 C.F.R. PARTS 730-774. VIOLATIONS OF THE EAR ARE SUBJECT TO SEVERE CRIMINAL PENALTIES UNDER THE EXPORT CONTROL REFORM ACT, AS AMENDED (TITLE 50, U.S.C., SEC. 4801, ET SEQ.).

DETAIL K
SCALE: 10:1
FOR 1757828-6 THRU -10 ONLY

4805 (9/11)

