

8

7

6

5

4

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2

1

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LOC

DIST

F

LTR

REVISIONS

DATE

DWN

APVD

F1

REVISED PER ECO-11-005030

11MAR11

RK

HMR

RAISED CAVITY IDENTIFICATION NUMBERS

B

R.106
.102

[2.69]
[2.59]

TYP

Ø.125
.115

[3.18]
[2.92]

2 PLC

E

10° TYP

C

A

D

MATING FACE

10° TYP

H

VIEW Z-Z

MARK AMP, PART NO AND DATE CODE, FAR SIDE.

R.065
.040

[1.65]
[1.02]

SHELL, FRONT
MATL: STEEL PER ASTM A 109
OR EQUIVALENT
FINISH: CADMIUM PER QQ-P-416,
TYPE II, CLASS 2 OVER COPPER PER
MIL-C-14550, CLASS 4

.204

[5.18]

MAX

.070
.030

[1.78]
[0.76]

TYP

MARK MILITARY PART NO. FAR SIDE

.195 MAX
[4.95]

.120 REF
[3.05]

SEE DETAIL 'K' TYP

SCALE 8:1

SHELL, REAR
MATL: STEEL PER ASTM A 109
OR EQUIVALENT
FINISH: CADMIUM PER QQ-P-416,
TYPE II, CLASS 2 OVER COPPER PER
MIL-C-14550, CLASS 4

INSERT ASSEMBLY
MATL: POLYPHENYLENE SULFIDE (PPS) PER MIL-M-24519, TYPE: GST-40F
OR POLYESTER PER MIL-M-24519, TYPE: GLCP-30F, OR PPS PER
ASTM D4067, COLOR, BLACK

CONTACT
MATL: BRASS ALLOY PER ASTM B 16, OR BERYLLIUM
COPPER 173, 1/2 HARD PER ASTM-B-197,
FINISH: GOLD PER MIL-G-45204, TYPE II,
GRADE C, CLASS 1 OVER NICKEL PER
QQ-N-290, .000050 MIN THICK

SPACER
MATL: ALUMINUM ALLOY PER
ASTM B 211
FINISH: IRIDITE PER MIL-C-5541,
CLASS 3, COLOR GOLD

			.544 .524	[13.82] [13.31]	2.188 2.282	55.58 57.96			.620 .590	[15.75] [14.99]	.446 .436	[11.33] [11.07]	2.411 2.401	[61.24] [60.99]	2.084 2.074	[52.93] [52.68]	2.650 2.620	[67.31] [66.55]	MS18277-1	50	5	M24308/24-11F	1218125-5	1-1218125-0
		.049 .029	[1.24] [0.74]		2.262	57.45	.236 .224	[5.99] [5.69]	.436 .416	[11.07] [10.57]			2.505 2.495	[63.63] [63.37]	2.187 2.177	[55.55] [55.30]	2.744 2.714	[69.70] [68.94]	MS18276-1	37	4	M24308/24-10F	1218125-4	1218125-9
				.432 .412	[10.97] [10.46]	1.635 1.615	41.53 41.02		.509 .479	[12.93] [12.17]	.334 .324	[8.48] [8.23]	1.857 1.847	[47.17] [46.91]	1.539 1.529	[39.09] [38.84]	2.103 2.073	[53.42] [52.65]	MS18275-1	25	3	M24308/24-9F	1218125-3	1218125-8
		.040 .020	[1.02] [0.51]		1.093 1.073	27.76 27.25	.238 .229	[6.05] [5.82]	.432 .412	[10.97] [10.46]			1.317 1.307	[33.45] [33.20]	.999 .989	[25.37] [25.12]	1.556 1.526	[39.52] [38.76]	MS18274-1	15	2	M24308/24-8F	1218125-2	1218125-7
				.544 .524	[13.82] [13.31]	2.188 2.282	55.58 57.96		.620 .590	[15.75] [14.99]	.446 .436	[11.33] [11.07]	2.411 2.401	[61.24] [60.99]	2.084 2.074	[52.93] [52.68]	2.650 2.620	[67.31] [66.55]	MS18273-1	9	1	M24308/24-7F	1218125-1	1218125-6
		.049 .029	[1.24] [0.74]		2.262	57.45	.236 .224	[5.99] [5.69]	.436 .416	[11.07] [10.57]			2.505 2.495	[63.63] [63.37]	2.187 2.177	[55.55] [55.30]	2.744 2.714	[69.70] [68.94]	MS18277-1	37	4	M24308/24-10F	1218125-4	1218125-5
				.432 .412	[10.97] [10.46]	1.635 1.615	41.53 41.02		.509 .479	[12.93] [12.17]	.334 .324	[8.48] [8.23]	1.857 1.847	[47.17] [46.91]	1.539 1.529	[39.09] [38.84]	2.103 2.073	[53.42] [52.65]	MS18276-1	25	3	M24308/24-9F	1218125-3	1218125-4
		.040 .020	[1.02] [0.51]		1.093 1.073	27.76 27.25	.238 .229	[6.05] [5.82]	.432 .412	[10.97] [10.46]			1.317 1.307	[33.45] [33.20]	.999 .989	[25.37] [25.12]	1.556 1.526	[39.52] [38.76]	MS18275-1	15	2	M24308/24-8F	1218125-2	1218125-3
				.544 .524	[13.82] [13.31]	2.188 2.282	55.58 57.96		.620 .590	[15.75] [14.99]	.446 .436	[11.33] [11.07]	2.411 2.401	[61.24] [60.99]	2.084 2.074	[52.93] [52.68]	2.650 2.620	[67.31] [66.55]	MS18274-1	9	1	M24308/24-7F	1218125-1	1218125-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC

± -
± -
± -
± -
± -

ANGLES

MATERIAL SEE CALLOUTS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH SEE CALLOUTS

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN P YEAGER 30DEC97

CHK G OVER 30DEC97

APVD H WYNKOOP 30DEC97

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

AMPLITE PLUG ASSY, LOW PROFILE
SIZE 20 POSTED, .030 DIA LONG POST
SERIES 109, SHELL SIZES 1 THRU 5

SIZE CAGE CODE DRAWING NO

A100779C1218125

RESTRICTED TO

SCALE 4:1

SHEET 1 OF 2

REV F1

1 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 .094 [2.39]

2 THE CONNECTORS DESCRIBED IN THIS DOCUMENT MEET THE REQUIREMENTS OF MIL-C-24308 AND MATE WITH ANY RECEPTACLE CONNECTOR WITH SAME INSERT ARRANGEMENT.

3 MARK 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. PART NUMBER ON REAR SHELL, NEAR SIDE.

IF THE FRONT SHELL IS TOO SMALL FOR "AMP", PART NUMBER AND DATE CODE, THEN SPLIT AS FOLLOWS:

A. 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.

4 REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
.159 [4.04] MIN, SHELL SIZES 1 AND 2.
.150 [3.81] MIN, SHELL SIZES 3, 4, AND 5.

5 SOLDER DIP PER MIL-STD-2000 COMPOSITION Sn63 CONFORMING TO QQ-S-571. COVERAGE SHALL BE COMPLETE TO A DISTANCE .020 [0.51] MAX FROM INSERT ASSEMBLY.

6 THE SOLDER DIP PROCESS IS PERFORMED SUBSEQUENT TO THE COMPLETION OF PRODUCTION OF THE MILITARY QUALIFIED CONNECTOR. DIMENSIONS APPLY PRIOR TO SOLDER DIPPING.

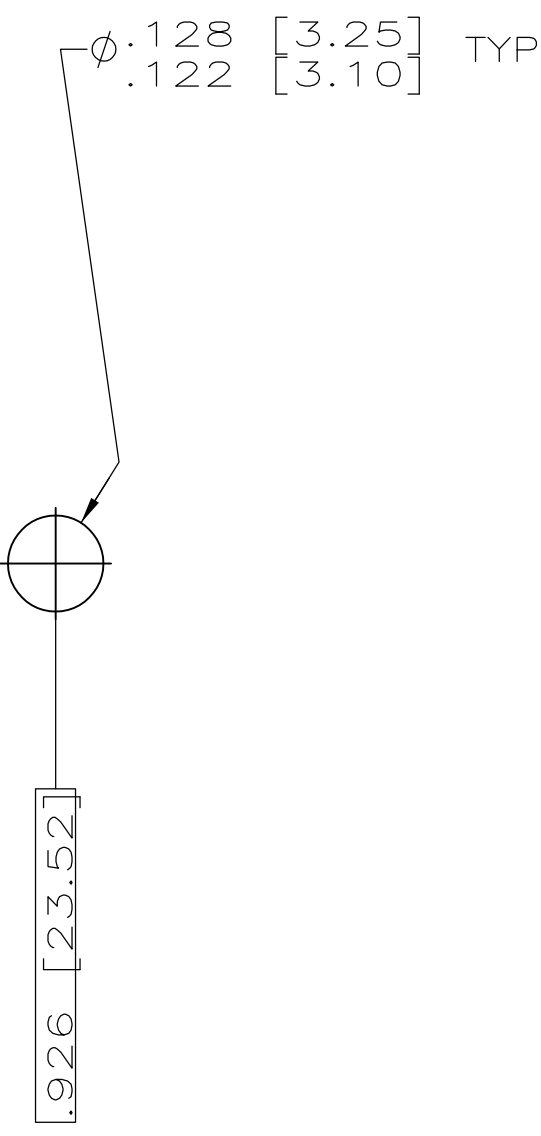
7 SPACERS (QTY 2) ARE SUPPLIED WITH CONNECTORS (NOT ATTACHED TO THE CONNECTOR).

8 DIMENSIONS AND TOLERANCES PER ANSI Y14.5M-1982.

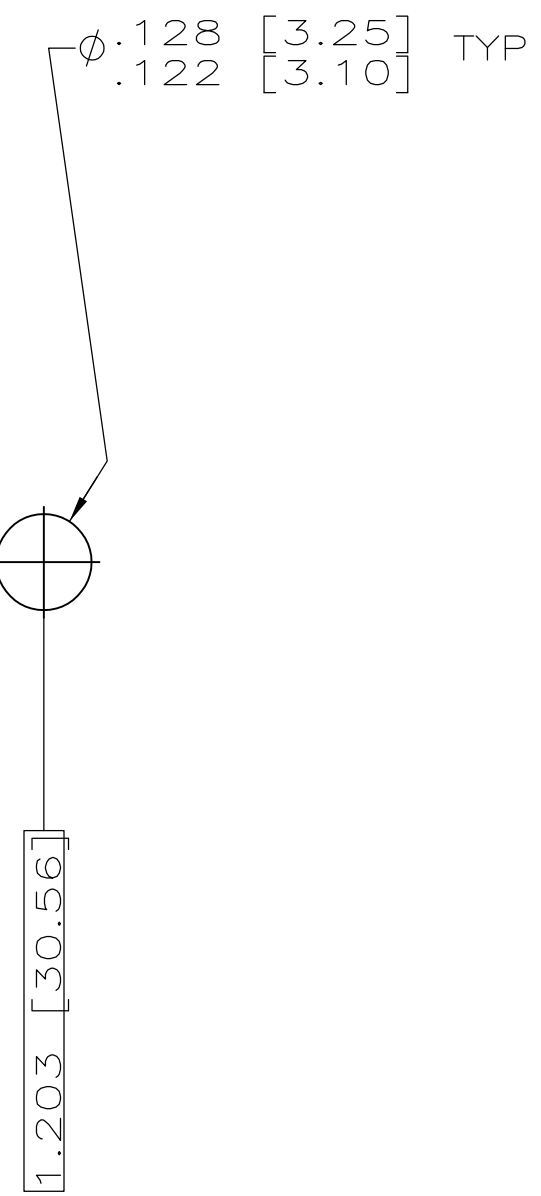
9 THIS DRAWING SHALL BE INTERPRETED IN ACCORDANCE WITH APPLICABLE STANDARDS LISTED IN MIL-STD-100.

4805 (3/11)

Translated 070126,232403 (YYMMDD.HHMMSS) from Computervision, Inc., Medusa Revision 12.2.5T



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 3 (25 POSITION) $\triangle 1$



RECOMMENDED P.C. BOARD LAYOUT
SHELL SIZE 5 (50 POSITION) $\triangle 1$



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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