

8

7

6

5

4

3

2

1

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LOC

DIST

P

LTR

REVISIONS

DATE

DWN

APVD

C

REV PER

ECO-06-018048

05OCT06

PY

DM

RAISED CAVITY IDENTIFICATION NUMBERS

B

R.106 [2.69] TYP

R.102 [2.59]

Ø.091 [2.31] 2 PLC

Ø.086 [2.18]

10° TYP

C

A

MATING FACE

E

D

10° TYP

H

VIEW Z-Z

R.092 [2.34] TYP

.062 [1.57]

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

R.065 [1.65]

.040 [1.02]

SHELL, FRONT
MATL: BRASS ALLOY PER ASTM B 36
FINISH: CADMIUM PER QQ-P-416,
TYPE II, CLASS 2 OVER COPPER PER
MIL-C-14550, CLASS 4

.220 [5.59] MAX

.070 [1.78] TYP

.030 [0.76]

SHELL, REAR
MATL: BRASS ALLOY PER ASTM B 36
FINISH: CADMIUM PER QQ-P-416,
TYPE II, CLASS 2 OVER COPPER PER
MIL-C-14550, CLASS 4

INSERT ASSEMBLY
MATL: POLYPHENEYLENE SULFIDE
(PPS) GST-40F PER MIL-M-24519
OR GLASS FILLED POLYESTER,
TPES013G30 PER ASTM D5927
COLOR, BLACK

△ MARK MILITARY PART NO,
FAR SIDE

Z

Z

△ REQUIREMENT FOR FULL PIN DIAMETER EXTENSION:
.164 [4.17] MIN, SHELL SIZES 1 AND 2.
.155 [3.94] MIN, SHELL SIZES 3, 4, AND 5.
CONTACT NOT INCLUDED - SHOWN FOR DIMENSIONAL REFERENCE ONLY.

5. THIS CONNECTOR ASSEMBLY IS DESIGNED TO ACCEPT SIZE 22 CRIMP TYPE
PIN CONTACT MILITARY PART NUMBER M39029/58-360 (AMP PART NUMBER
204370-2). FOR ALTERNATE CONTACT OPTIONS CONSULT AMP CATALOG 82069.

6. MAXIMUM WIRE INSULATION TO BE USED WITH THIS CONNECTOR ASSEMBLY
IS .054 [1.37] DIAMETER.

7. FOR CONTACT CRIMPING INSTRUCTION SHEET REFER TO AMP IS 408-7516.
FOR CONTACT INSTALLATION AND REMOVAL INSTRUCTION SHEET REFER TO
AMP IS 408-7508.

△ FLOAT SPECIFICATIONS ARE .004 [0.10]-.012 [0.30]
VERTICALLY AND .026 [0.66]-.036 [0.91] HORIZONTALLY.

△ PART NUMBER FOR ORDERING.

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

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

FLOATING BUSHING ASSEMBLY
MATL: STAINLESS STEEL PER ASTM A 582
FINISH: PASSIVATE PER QQ-P-35

△

.036 [0.91]

.026 [0.66]

.130 MAX [3.30]

-R-

SWAGED END ON
BACKSIDE OF ASSEMBLY

VIEW K-K
SCALE 10:1

///.005 [0.13] R

.049 [1.24]	.544 [13.82]	2.188 [55.58]		.620 [15.75]	.446 [11.33]	2.411 [61.24]	2.084 [52.93]	2.650 [67.31]	MS18277-2	78	5	M24308/8-333F	M24308/8-311F	593066-5	593070-5	
.029 [0.74]	.524 [13.31]	2.282 [57.96]	.236 [5.99]	.590 [14.99]	.436 [11.07]	2.401 [60.99]	2.074 [52.68]	2.620 [66.55]								
		2.262 [57.45]	.224 [5.69]		.416 [10.57]	2.505 [63.63]	2.187 [55.55]	2.744 [69.70]	MS18276-2	62	4	M24308/8-332F	M24308/8-310F	593066-4	593070-4	
		1.635 [41.53]				2.495 [63.37]	2.177 [55.30]	2.714 [68.94]								
	.432 [10.97]	1.615 [41.02]				1.857 [47.17]	1.539 [39.09]	2.103 [53.42]	MS18275-2	44	3	M24308/8-331F	M24308/8-309F	593066-3	593070-3	
	.412 [10.46]	1.093 [27.76]				1.847 [46.91]	1.529 [38.84]	2.073 [52.65]								
.040 [1.02]		1.073 [27.25]	.241 [6.12]	.509 [12.93]	.334 [8.48]	1.317 [33.45]	.999 [25.37]	1.556 [39.52]	MS18274-2	26	2	M24308/8-330F	M24308/8-308F	593066-2	593070-2	
.020 [0.51]		.769 [19.53]	.229 [5.82]	.479 [12.17]	.324 [8.23]	1.307 [33.20]	.989 [25.12]	1.526 [38.76]								
		.749 [19.02]				.989 [25.12]	.671 [17.04]	1.228 [31.19]	MS18273-2	15	1	M24308/8-329F	M24308/8-307F	593066-1	593070-1	
						.979 [24.87]	.661 [16.79]	1.198 [30.43]								
L	J	H	G	F	E	D	C	B	A	INSERT ARRANGEMENT	NO OF POS	SHELL SIZE	PACKAGE MILITARY P/N	MILITARY P/N ON CONNECTOR	AMP P/N ON CONNECTOR	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 ± -

ANGLES ± -

MATERIAL
SEE CALLOUTS

FINISH
SEE CALLOUTS

DWN
AJ GRAFF 12-3-92

CHK
B.GILLMAN 12-4-92

APVD
F.KINSEY 12-4-92

PRODUCT SPEC

APPLICATION SPEC

WEIGHT -

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME
AMPLIMITE NONMAGNETIC PLUG ASSY WITHOUT
SIZE 22 CRIMP PIN CONTACTS, SERIES 90,
FLOATING BUSHING, SHELL SIZES 1 THRU 5

SIZE
A1

CAGE CODE
00779

DRAWING NO
593070

RESTRICTED TO

SCALE
4:1

SHEET
1

OF
1

REV
C

AMP 4805 REV 31MAR2000