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LOC

DIST

GP

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	U	REVISED PER ECO-14-011808	12AUG2014	AP	SB

10° TYP

38.38
[1.511]

FRONT INSERT

12.55±0.38
[.494±.015]

7.90
[.311]

47.04
[1.852]

53.04±0.38
[2.088±.015]

13

12

11

10

9

8

7

6

5

4

3

2

1

25

24

23

22

21

20

19

18

17

16

15

14

AMP

SP

MATING FACE

AMP, PART NO AND DATE CODE MARKED IN AREA INDICATED, ON FAR SIDE

4-40, CLINCH NUT
2 PLC

17.68±0.38
[.696±.015]

A +0.51
-0.38
[+.020
-.015]
TYP

0.64 SQUARE
[.025]
25 PLC

2.77±0.25 TYP
[.109±.010]

6.96±0.38
[.274±.015]

Ø OF
4-40 HOLE

RECOMMENDED PC BOARD
MOUNTING DIMENSIONS

2.84
[.112]
TYP

1.42
[.056]
TYP

1.19 DIA
[.047]
25 HOLES

47.04
[1.852]

2.77
[.109]
TYP

6.96
[.274]

3.05 DIA
[.120]
2 HOLES

1.384
[.0545]

1

2

3

4

INSERTS: GLASS-FILLED PBT OR GLASS-FILLED NYLON, UL94V-0 RATED. COLOR: BLACK.
CONTACTS: PHOSPHOR BRONZE
SHELLS: CARBON STEEL
CLINCH NUT: CARBON STEEL

GOLD FLASH FOR LENGTH OF 2.54 [.100] MIN FROM MATING END, 2.54µm [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF DIMENSION A FROM OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL.

0.76µm [.000030] MIN GOLD FOR LENGTH OF 2.54 [.100] MIN FROM MATING END, 2.54µm [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF DIMENSION A FROM OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL.
-OR-
GOLD FLASH OVER PALLADIUM-NICKEL, 0.76µm [.000030] MIN TOTAL FOR A LENGTH OF 2.54 [.100] MIN FROM MATING END, 2.54µm [.000100] MIN TIN OR TIN-LEAD FOR A LENGTH OF DIMENSION A FROM OPPOSITE END, BOTH OVER 1.27µm [.000050] MIN NICKEL.

SHELLS: 5.08µm [.000200] MIN TIN OVER 2.54µm [.000100] MIN COPPER
CLINCH NUT: ZINC

FRONT SHELL

REAR SHELL

REAR INSERT

CONTACT 25 PLC

6.17
[.243]

0.76±0.25
[.030±.010]

1.27±0.51
[.050±.020]

2.84±0.25
[.112±.010]
TYP

	OBSOLETE	3.18 [.125]	3		745886-9
SUPSD BY 745886-1		4.78 [.188]		2	745886-8
SUPSD BY 745886-1		4.78 [.188]	3		745886-7
	OBSOLETE	16.54 [.651]		2	745886-6
	OBSOLETE	16.54 [.651]	3		745886-5
	OBSOLETE	10.85 [.427]		2	745886-4
	OBSOLETE	10.85 [.427]	3		745886-3
		3.18 [.125]		2	745886-2
		3.18 [.125]	3		745886-1
		DIMENSION A		CONTACT FINISH	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN J McCLINTON 12-5-89
CHK R. STONE 2-1-90
APVD -

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.13 [.005]
3 PLC ± -
4 PLC ± -
ANGLES ± -

MATERIAL 1

FINISH 4

CONTACTS: SEE TABLE

PRODUCT SPEC 108-40025
APPLICATION SPEC 114-40013
WEIGHT -

NAME
RECEPTACLE ASSEMBLY, SIZE 3, 25 POSN,
VERTICAL, FULL METAL SHELL,
AMPLIMITE® HD-20

SIZE A2
CAGE CODE 00779
DRAWING NO C=745886
RESTRICTED TO -

SCALE 3:1
SHEET 1 of 1
REV U

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[745886-2](#)