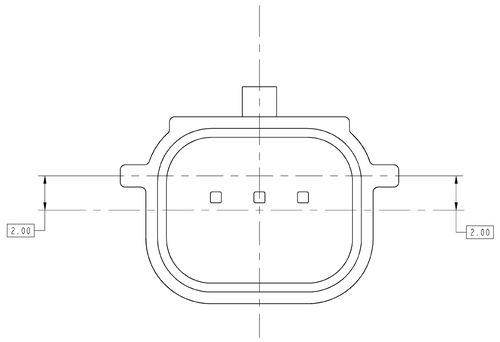
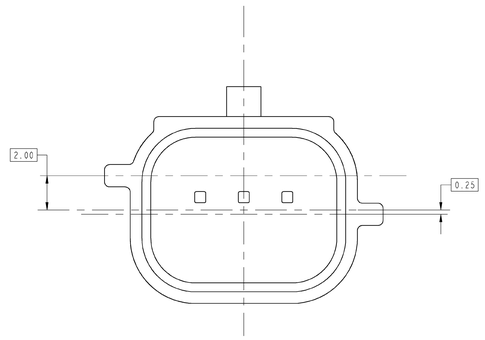


064-S-003-1-A01
(OPTION A)



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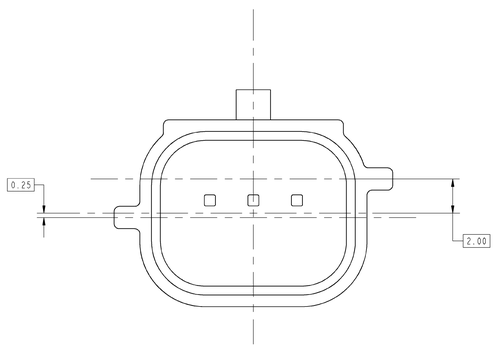

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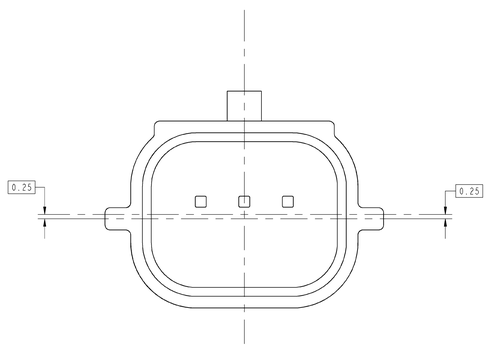
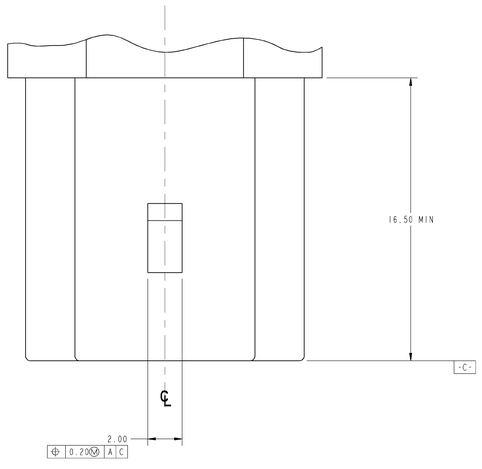
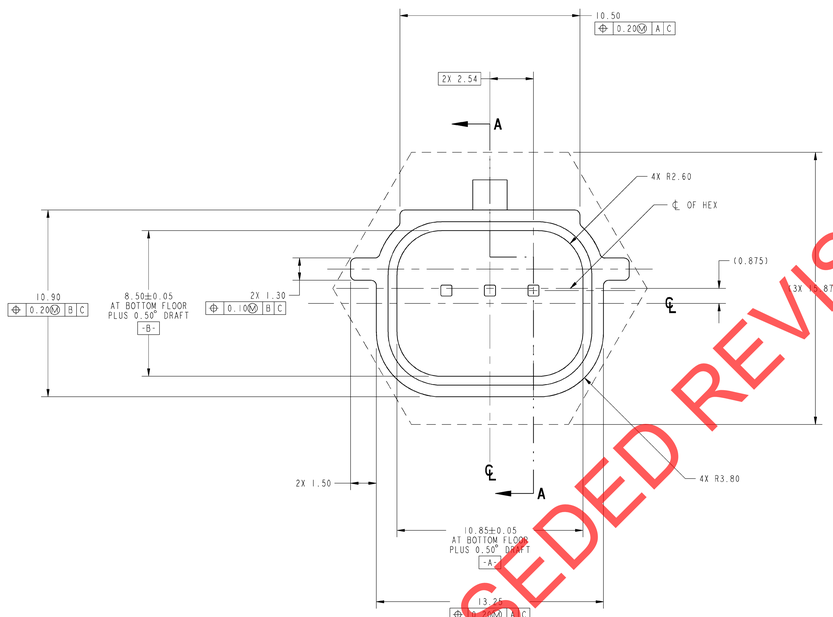
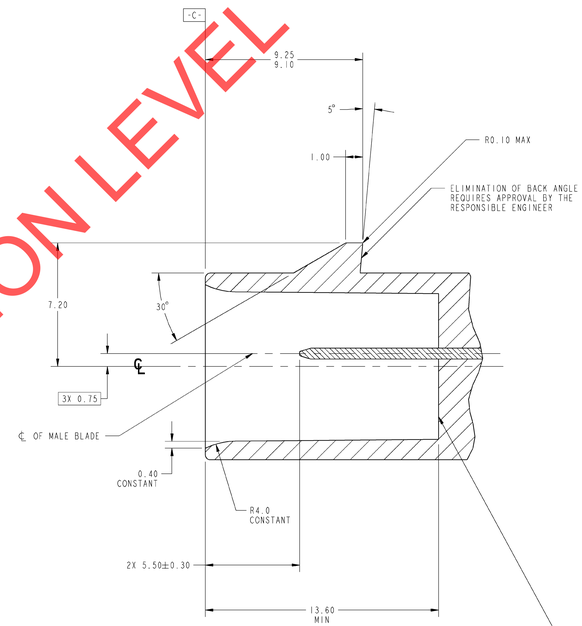
(OPTION C)



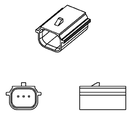
064-S-003-1-D01
(OPTION D)







SECTION **A-A**



FULL SIZE VIEWS

NOTICE

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MALE TERMINAL AND ELECTRICAL REQUIREMENTS
(EXCEPTIONS MUST BE APPROVED BY THE RESPONSIBLE ENGINEER)

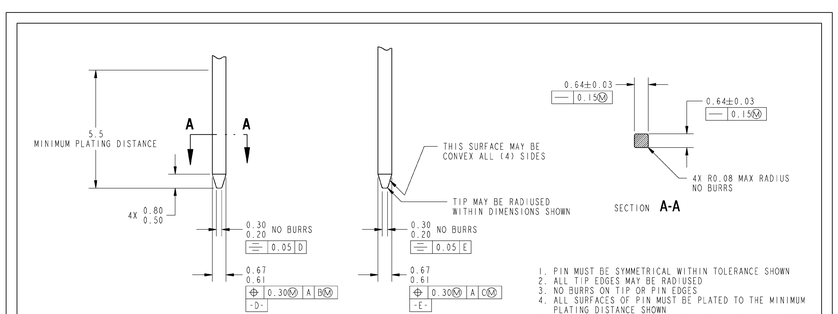
BASE MATERIAL - COPPER ALLOY WITH <= 14% ZINC. OTHER MATERIALS MAY BE PERMISSIBLE WITH APPROVAL OF THE RESPONSIBLE ENGINEER.

ELECTRICAL CONDUCTIVITY - >=28% IACS AT 20°C (AS ANNEALED).
USE OF MATERIALS WITH CONDUCTIVITY <28% IACS OR NON-COPPER ALLOYS ARE ACCEPTABLE WHEN APPROVED BY THE RESPONSIBLE ENGINEER.

CONTACT AREA PLATING -
TIN - FOR UP TO 125°C MAX. CONTINUOUS TEMPERATURE
BARRIER PLATE - (OPTIONAL FOR SOLDERABILITY) UNDERPLATE WITH COPPER 0.0025MM (100 MICRO-INCHES) MIN. THICKNESS.
TOP LAYER - 0.0050±0.0025MM (200 MICRO-INCHES) TIN

PRECIOUS METAL - (WHEN SPECIFIED)
BARRIER PLATE - (OPTIONAL FOR SOLDERABILITY) UNDERPLATE WITH COPPER 0.0025MM (100 MICRO-INCHES) MIN. THICKNESS.
INTERMEDIATE LAYER #1 - NICKEL - 0.0012MM (50 MICRO-INCHES) MIN. NICKEL ELECTROPLATE
INTERMEDIATE LAYER #2 - (OPTIONAL) - 0.0005MM (20 MICRO-INCHES) MIN. PALLADIUM ELECTROPLATE
TOP PLATING - 0.0001MM (4 MICRO-INCHES) MIN. HARD-GOLD ELECTROPLATE IF INTERMEDIATE LAYER #2 IS APPLIED.
0.0005MM (20 MICRO-INCHES) MIN. HARD-GOLD ELECTROPLATE IF INTERMEDIATE LAYER #2 IS NOT APPLIED.

PROCESS LUBRICANT:
ANY PROCESS LUBRICANT REMAINING ON THE TERMINAL MUST NOT VARNISH OR DEGRADE ITS ELECTRICAL PERFORMANCE UP TO A MAXIMUM CLASS AMBIENT TEMPERATURE PER SAE/USCAR-2 FOR 1008 HOURS. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.



SECTION **A-A**

PIN CONFIGURATION (APPLIES TO EACH PIN)
SCALE = 10:1

1. PIN MUST BE SYMMETRICAL WITHIN TOLERANCE SHOWN
2. ALL TIP EDGES MAY BE RADIUSED
3. NO BURRS ON TIP OR PIN EDGES
4. ALL SURFACES OF PIN MUST BE PLATED TO THE MINIMUM PLATING DISTANCE SHOWN
5. ALL PIN DIMENSIONS INCLUDE PLATING IF APPLICABLE

EWCAP P/N	OPTION	MATING CONNECTOR COLOR
064-S-003-1-D01	D	GREEN
064-S-003-1-C01	C	BROWN
064-S-003-1-B01	B	GRAY
064-S-003-1-A01	A	BLACK

⚠3

NOTES: UNLESS OTHERWISE SPECIFIED

1. DRAFT ANGLE PERMISSIBLE ONLY WITHIN DRAWING TOLERANCE
2. 0°30' MAXIMUM DRAFT ANGLE
3. ALL UNSPECIFIED RADII: 0.30
4. 0.3 MAXIMUM RADIUS PERMISSIBLE ON EDGES SHOWN AS SHARP

⚠3 STANDARD COLORS FOR POLARIZATIONS - DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.

CHANGE SERIAL NUMBER	LET	REVISION RECORD	DATE	DWN	CHK
-	A	INITIAL RELEASE	020111	SAF	CLS

TOLERANCES (UNLESS OTHERWISE SPECIFIED)
DIMENSIONS ARE IN MILLIMETERS
ANGLES ± 2°
X.X ± 0.25 X.XX ± 0.10
THIRD ANGLE PROJECTION

EWCAP

SCALE	DRAWN BY	CHECKED BY	DATE
8:1	S. FINSTROM	C. SHINABARGAR	020111

TITLE: DIRECT CONNECT INTERFACE - 3 WAY
0.64MM SEALED MALE

SHEET	DRAWING NUMBER	SIZE	DO NOT SCALE DRAWING / COMPUTER AIDED DRAWING	REVISION LEVEL
1 of 1	064-S-003-1-Z01	E		A

E SIZE SHEET

064-S-003-1-Z01
SHEET 1 OF 1

NOTICE

EWCAP has selected common dimensions for the connector depicted and described herein (listed below). Further, EWCAP has selected for publication this drawing prepared by Engineered Plastic Components as representative of a connector having these dimensions. In exchange for the consideration of the selection of this drawing for publication (including posting on EWCAP's web site) and other good and valuable consideration flowing from this selection, Engineered Plastic Components hereby agrees on behalf of itself and its successors and assigns, with respect to any copyrights it may have in this drawing as well as any patent rights it may have in the connector illustrated in this drawing, not to enforce such copyrights and patents against any person or entity on account of their activities to make, have made, use and sell the connector illustrated in this drawing for vehicular applications. The term "connector" as used in this paragraph is limited solely to the structure specifically illustrated in this drawing.

Signed _____ for Engineered Plastic Components.
Date: July 8, 2003
Name and title of signer: John Arundel Sales Manager

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064-S-002-1-Z01
064-S-003-1-Z01