

# Customer Information Sheet

DRAWING No.: DOI-E01XXXX

SHEET 3 OF 4

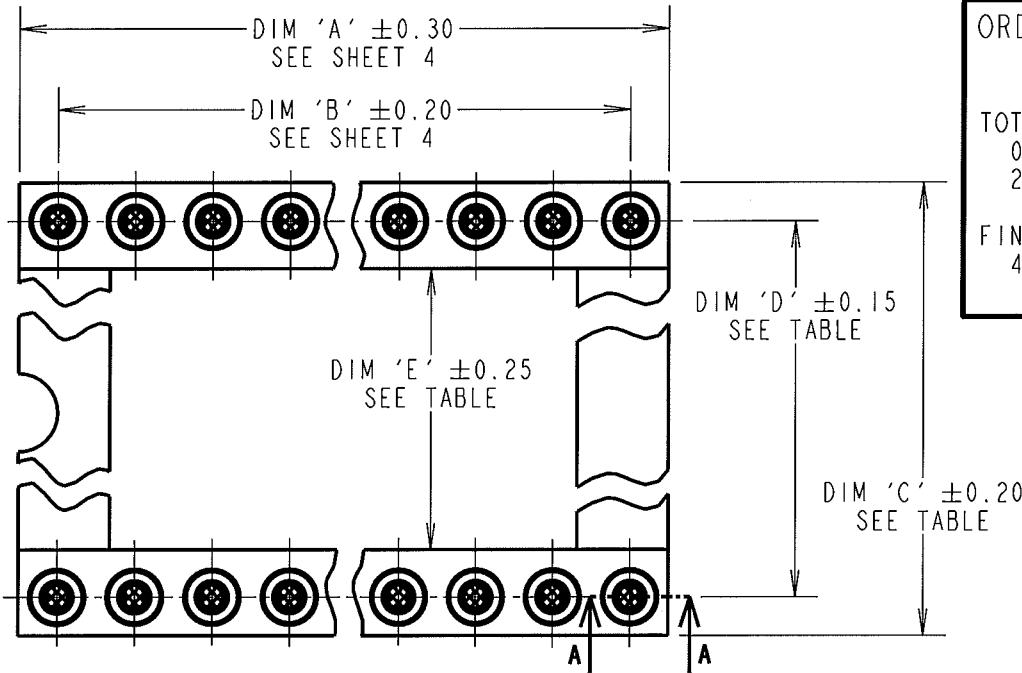
IF IN DOUBT - ASK

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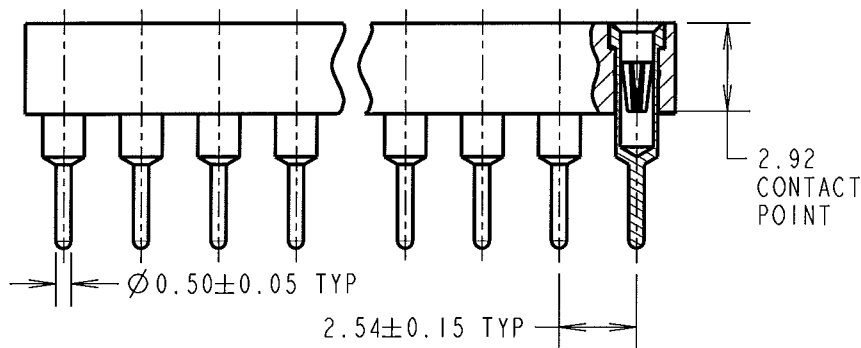
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PART SECTION A-A



ORDER CODE:  
**DOI-E01XXXX**  
 TOTAL No. OF CONTACTS  
 06, 08, 14, 16,  
 20, 28, 32, 40  
 FINISH  
 42 = GOLD CLIP,  
 100% TIN SHELL

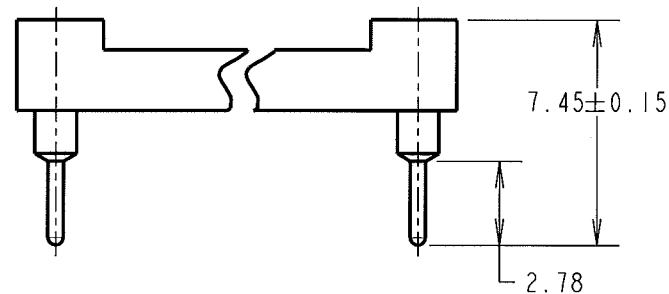
NOTES:  
 1. RECOMMENDED PCB HOLE  
 SIZE =  $\phi 0.80$ mm.

**SPECIFICATIONS:**

**MATERIAL:**  
 MOULDING = 30% GLASS-FILLED PPS, UL94V-0, BLACK  
 CONTACT CLIP = BERYLLIUM COPPER  
 CONTACT SHELL = BRASS  
**FINISH:**  
 CONTACT CLIP = GOLD OVER NICKEL  
 CONTACT SHELL = 100% TIN OVER NICKEL  
**ELECTRICAL:**  
 CURRENT RATING = 3A  
 CONTACT RESISTANCE:  
 INITIAL =  $20m\Omega$  MAX  
 AFTER CONDITIONING =  $30m\Omega$  MAX  
 INSULATION RESISTANCE =  $1,000M\Omega$  MIN  
 DIELECTRIC STRENGTH = 1,000V AC / 1 MINUTE  
**MECHANICAL:**  
 DURABILITY = 300 OPERATIONS  
 INSERTION FORCE ( $\phi 0.46$ mm GAUGE) = 5N MAX  
 WITHDRAWAL FORCE ( $\phi 0.46$ mm GAUGE) = 0.5N MIN  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE =  $-40^{\circ}C$  TO  $+105^{\circ}C$   
**PACKING:**  
 TUBE

TOTAL No. OF CONTACTS	DIM 'C'	DIM 'D'	DIM 'E'
6, 8, 14, 16, 20	10.20	7.62	4.40
28, 32, 40	17.80	15.24	12.10

**Asia only**



SF	2	11.07.08	10093
NAME	ISS.	DATE	C/NOTE
APPROVED:	<i>[Signature]</i>		
CHECKED:	<i>[Signature]</i>		
DRAWN:	W. J. BOURNE		
CUSTOMER REF.:			
ASSEMBLY DRG:			

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**TOLERANCES**  
 X. =  $\pm 1$ mm  
 X.X =  $\pm 0.25$ mm  
 X.XX =  $\pm 0.10$ mm  
 X.XXX =  $\pm 0.01$ mm  
 ANGLES =  $\pm 5^{\circ}$   
 UNLESS STATED

**MATERIAL:**  
 SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:**  
 2.54mm PITCH DUAL ROW PC TAIL  
 I.C. SOCKET ASSEMBLY  
**DRAWING NUMBER:**  
**DOI-E01XXXX**  
 SHT  
 3  
 OF  
 4

# Customer Information Sheet

DRAWING No.: D01-E01XXXX

SHEET 4 OF 4

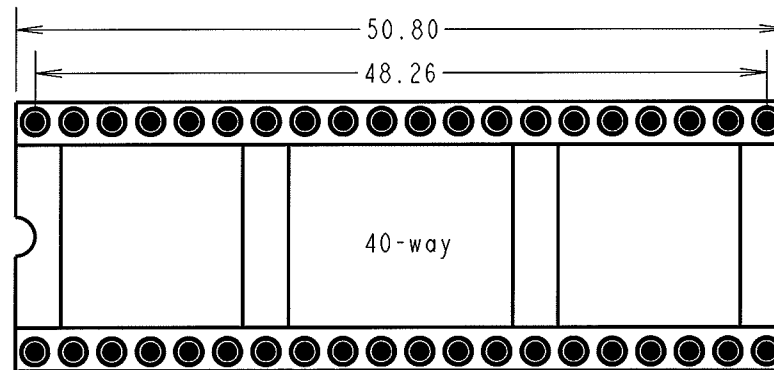
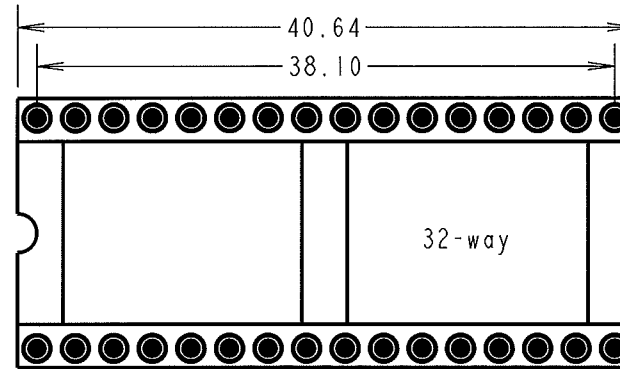
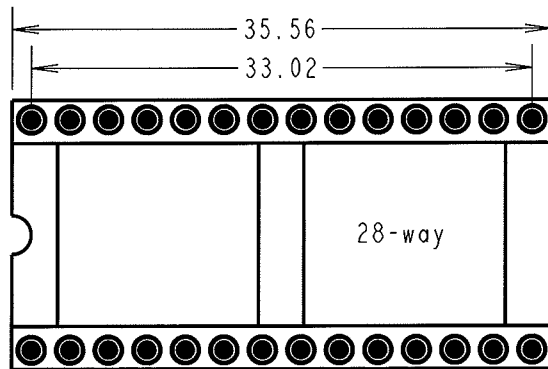
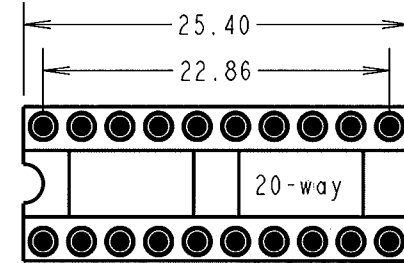
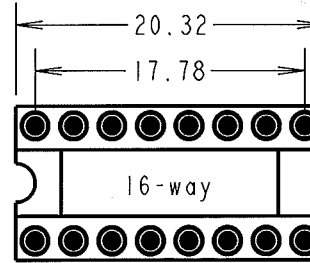
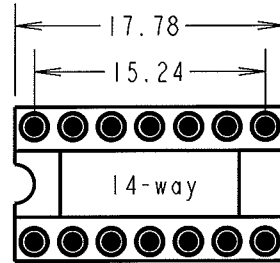
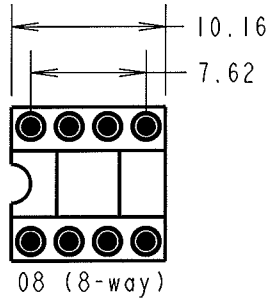
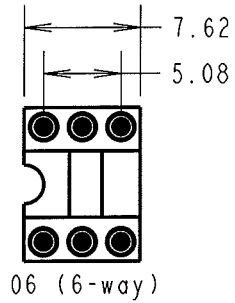
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



NOTES:  
1. SEE SHEET 3 FOR TOLERANCES RELATING TO THESE DIMENSIONS.

SF	2	11.07.08	10093
NAME	ISS.	DATE	C/NOTE
APPROVED: <i>[Signature]</i>			
CHECKED: <i>[Signature]</i>			
DRAWN: W. J. BOURNE			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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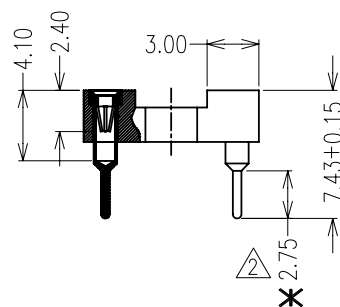
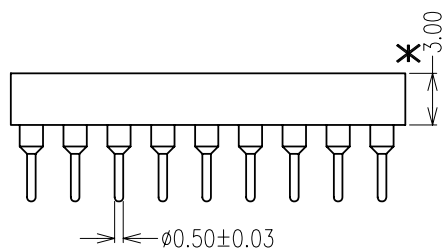
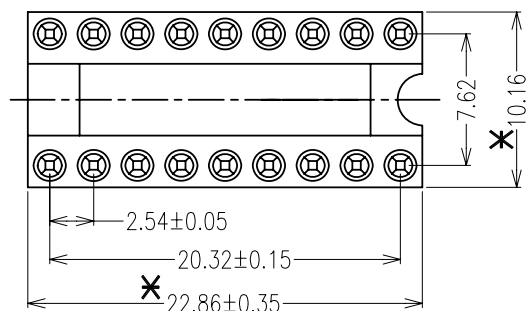
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**TOLERANCES**  
X = ±1mm  
X.X = ±0.25mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

**MATERIAL:**  
SEE ABOVE  
**FINISH:** SEE ABOVE  
**S/AREA:** mm<sup>2</sup>

**TITLE:**  
2.54mm PITCH DUAL ROW PC TAIL I.C. SOCKET ASSEMBLY  
**DRAWING NUMBER:**  
D01-E01XXXX  
**SHT**  
4 OF 4



PCB LAYOUT

## SPECIFICATIONS:

MATERIAL:-

MOULDING: PPS+30%GF UL94V-0

CONTACT CLIP: BeCu (C17200)

SLEEVE: BRASS CuZn36Pb3 (C36000)

FINISH:-

SELECTIVE GOLD

ELECTRICAL:-

CURRENT RATING: 1A

DIELECTRIC STRENGTH: 1000V RMS MIN.

CONTACT RESISTANCE: 10 mΩ MAX.

MECHANICAL:-

DURABILITY: 100 CYCLES MIN.

MATING PIN: Ø0.40 TO Ø0.56

ENVIRONMENTAL:-

TEMPERATURE RANGE: -40°C TO +105°C

NOTES: ALL DIMENSIONS AND NOTES  
MARKED \* ARE CRITICAL AND  
MUST BE CHECKED IN ACCORDANCE  
WITH QUALITY DOC. QI-02A

Allan Allan	2 1	29.03.10 01.02.10	A273 -
NAME	ISS.	DATE	C/NOTE
APPROVED: <i>Paul</i>			
CHECKED: <i>Paul</i>			
DRAWN:			
CUSTOMER REF.:			
ASSEMBLY DRG:			

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TOLERANCES  
X. = ±1mm  
X.X = ±0.40mm  
X.XX = ±0.25mm  
X.XXX = ±0.15mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL:  
SEE NOTES

FINISH: SEE NOTES

S/AREA: mm<sup>2</sup>

TITLE:  
2.54MM IC SOCKET 180°

DRAWING NUMBER:  
D01-E011842

SHT  
1  
OF  
1