

Customer Information Sheet

DRAWING No.: DOI-E01XXXX

SHEET 3 OF 4

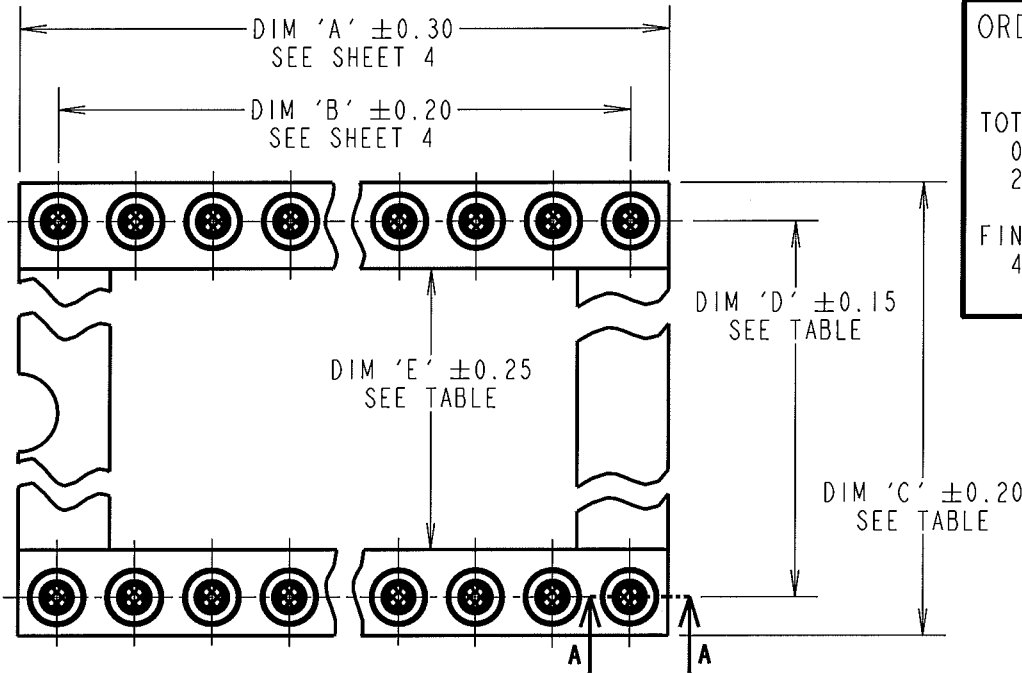
IF IN DOUBT - ASK

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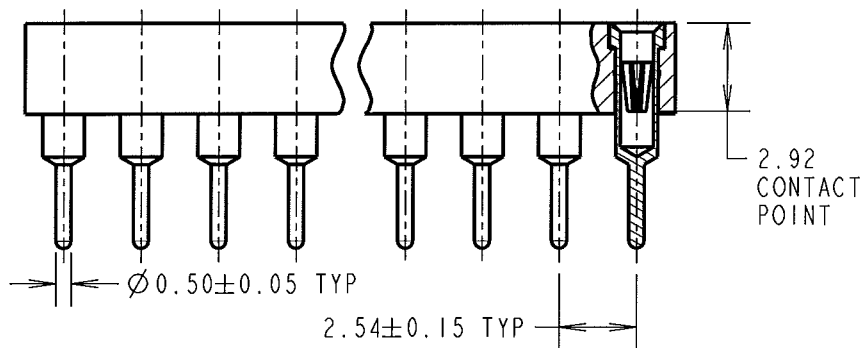
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



PART SECTION A-A

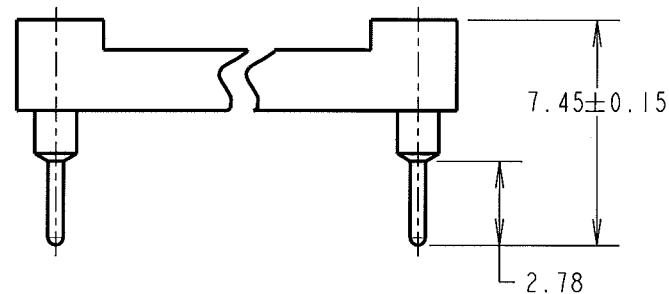


ORDER CODE:
DOI-E01XXXX
 TOTAL No. OF CONTACTS
 06, 08, 14, 16,
 20, 28, 32, 40
 FINISH
 42 = GOLD CLIP,
 100% TIN SHELL

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

MATERIAL:
 SEE ABOVE
 FINISH: SEE ABOVE
 S/AREA: mm²

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

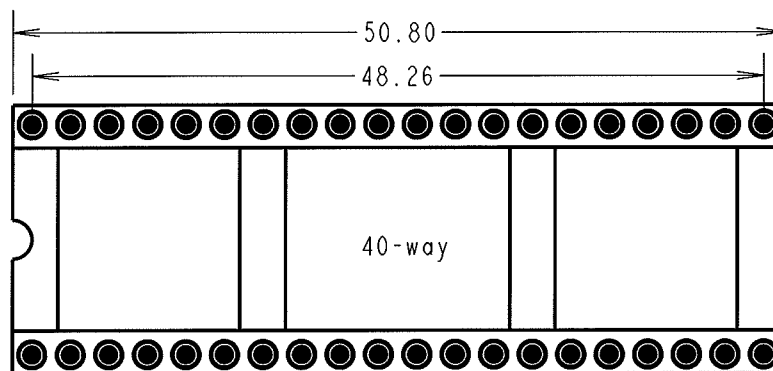
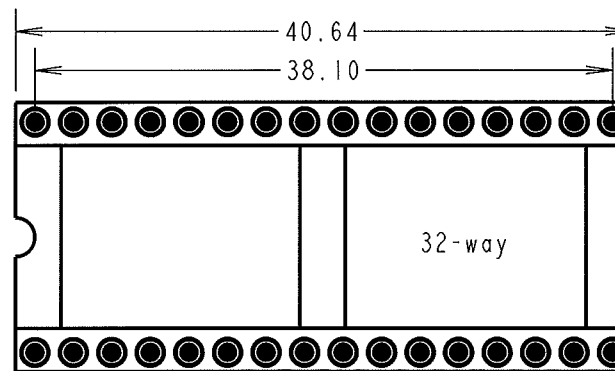
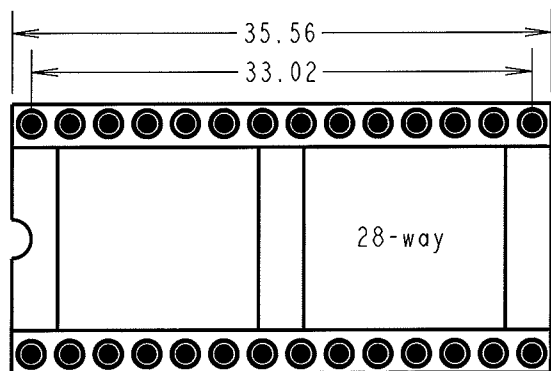
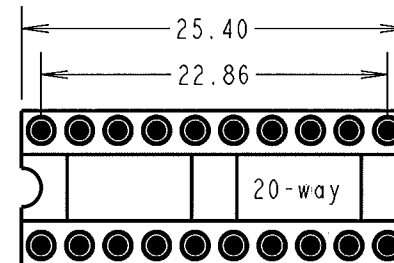
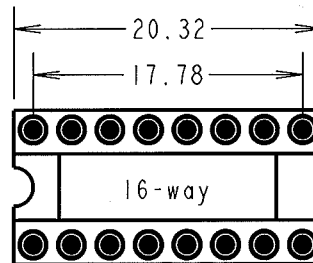
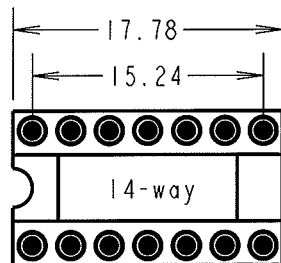
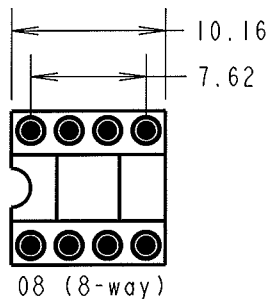
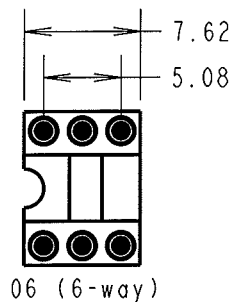
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



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

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NAME	ISS.	DATE	C/NOTE
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CHECKED: <i>[Signature]</i>			
DRAWN: W. J. BOURNE			
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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:

mm²

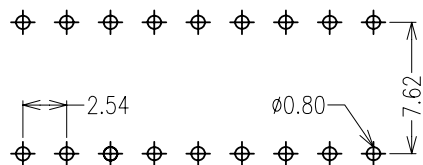
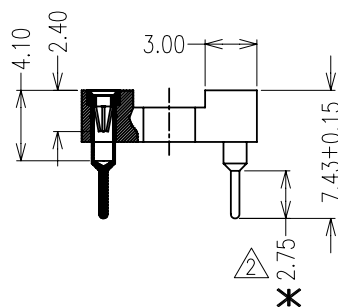
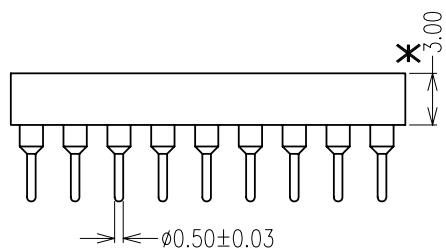
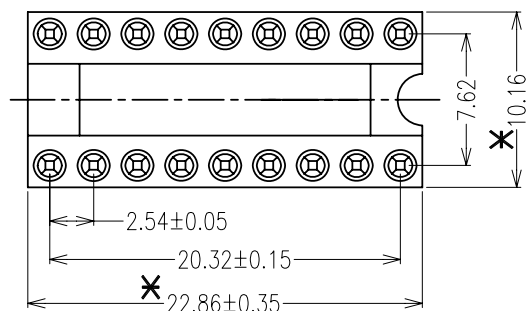
TITLE:

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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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: mm²

TITLE:
2.54MM IC SOCKET 180°
DRAWING NUMBER:
D01-E011842

SHT
1
OF
1