

# Customer Information Sheet

DRAWING No.: M50-314XX45X

SHEET 3 OF 4

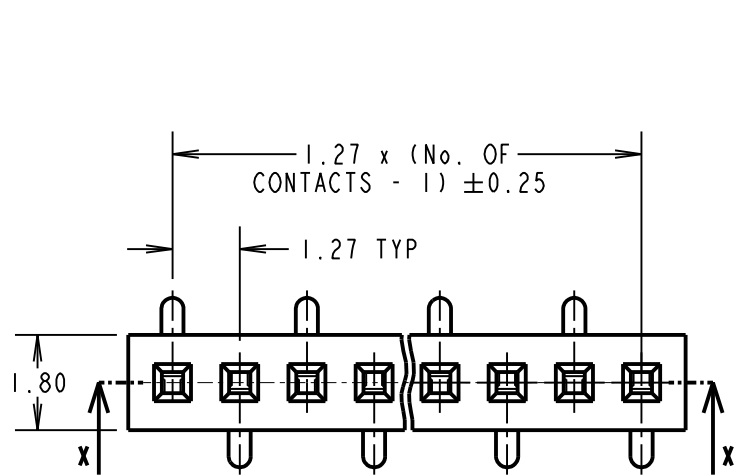
IF IN DOUBT - ASK

(C)

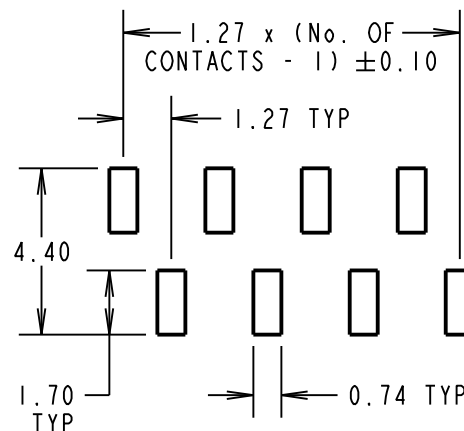
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



RECOMMENDED PCB LAYOUT  
(TOLERANCE =  $\pm 0.05$ )



## SPECIFICATIONS:

### MATERIAL:

MOULDING = PA9T, UL94V-0, BLACK

CONTACT = PHOSPHOR BRONZE

FINISH =  $0.012\mu$  MIN GOLD, OVER  
 $0.76\mu$  -  $1.52\mu$  NICKEL

### ELECTRICAL:

CURRENT RATING = 1A

DIELECTRIC VOLTAGE = 500V AC FOR ONE MINUTE

CONTACT RESISTANCE =  $20m\Omega$  MAX

INSULATION RESISTANCE =  $1000M\Omega$  MIN

### MECHANICAL:

DURABILITY = 300 CYCLES MIN

INSERTION FORCE = 1.17N MAX PER CONTACT

WITHDRAWAL FORCE = 0.19N MIN PER CONTACT

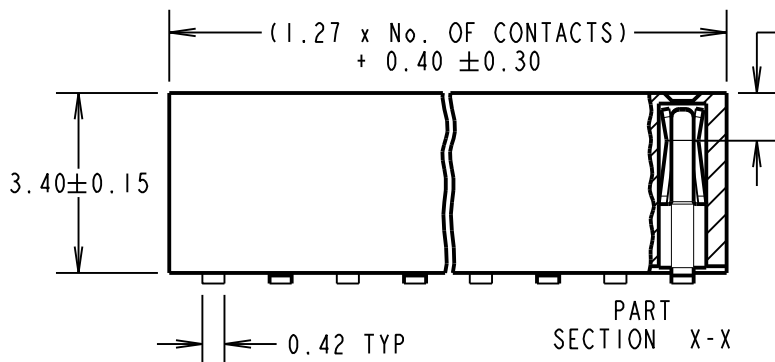
### ENVIRONMENTAL:

OPERATING TEMPERATURE =  $-40^{\circ}\text{C}$  -  $+105^{\circ}\text{C}$

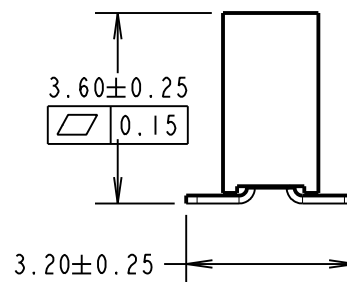
### PACKING:

TUBE (02 CONTACT SIZE PACKED IN BOX)

FOR COMPLETE SPECIFICATIONS, SEE COMPONENT  
SPECIFICATION C029XX (LATEST ISSUE)



(0.90)  
CONTACT POINT



## NOTES:

1. FOR TAPE AND REEL DETAILS, SEE SHEET 4.

ORDER CODE:

**M50-314XX45X**

No. OF CONTACTS: \_\_\_\_\_  
02 TO 06, 08, 10, 20

PACKING: \_\_\_\_\_

BLANK = TUBE

R = TAPE AND REEL (SHEET 4)

|                    |      |          |        |
|--------------------|------|----------|--------|
| MSP                | 3    | 14.08.17 | 20647  |
| NAME               | ISS. | DATE     | C/NOTE |
| APPROVED: M.PERREN |      |          |        |
| CHECKED: M.PLESTED |      |          |        |
| DRAWN: S.BENNETT   |      |          |        |
| CUSTOMER REF.:     |      |          |        |
| ASSEMBLY DRG:      |      |          |        |

# HARWIN

www.harwin.com  
technical@harwin.com

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## TOLERANCES

X. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.10\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$

ANGLES =  $\pm 5^{\circ}$

UNLESS STATED

## MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA:

mm<sup>2</sup>

## TITLE:

1.27mm PITCH, SIL  
VERTICAL SMT SOCKET

DRAWING NUMBER:

**M50-314XX45X**

SHT  
3  
OF  
4

# Customer Information Sheet

DRAWING No.: M50-314XX45X

SHEET 4 OF 4

IF IN DOUBT - ASK

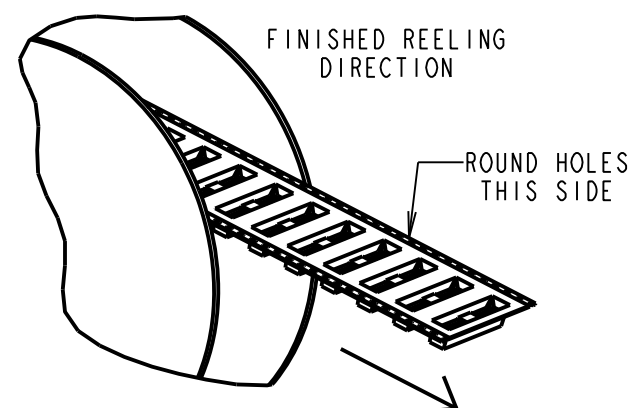
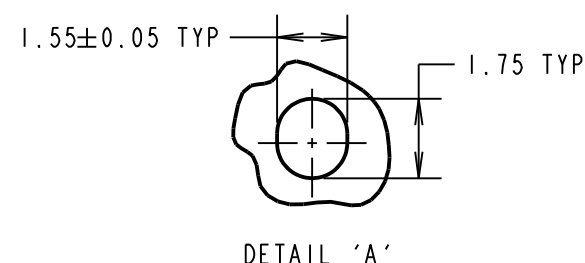
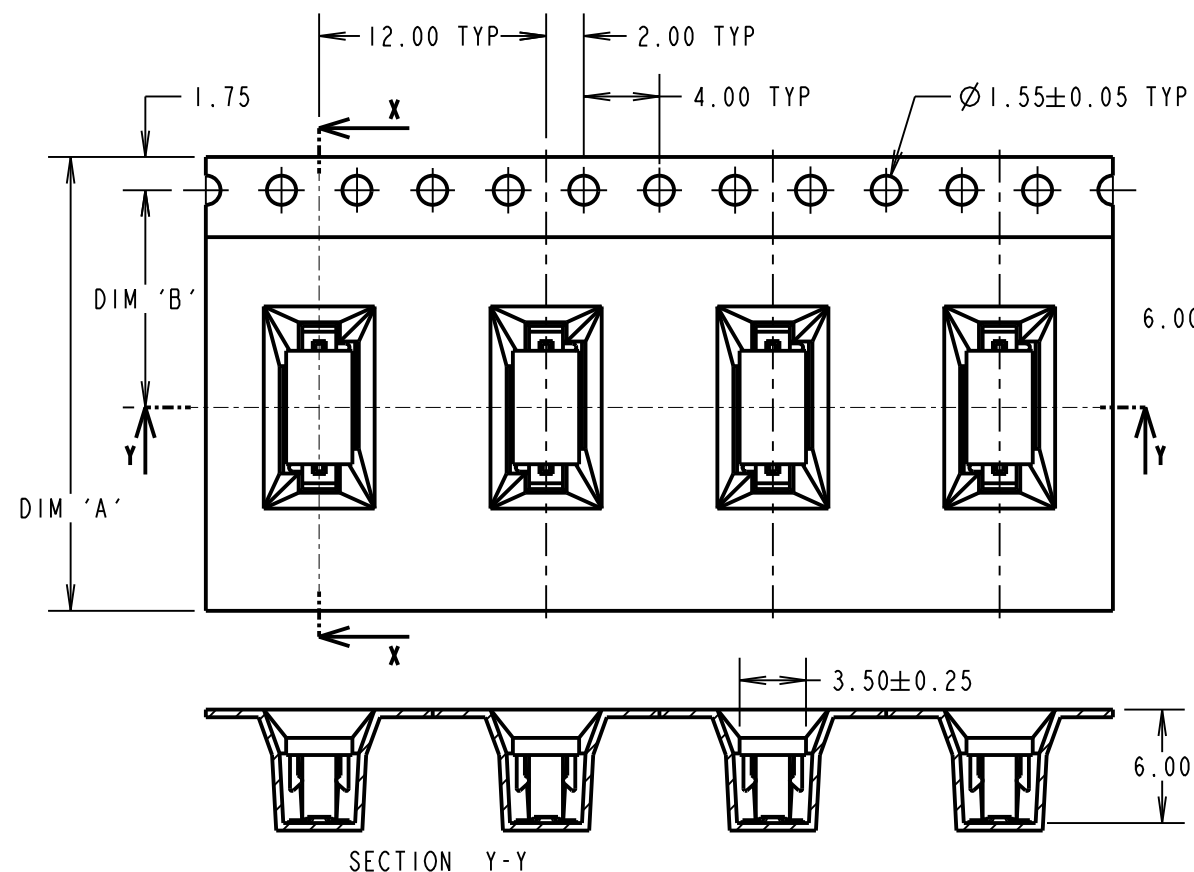
(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

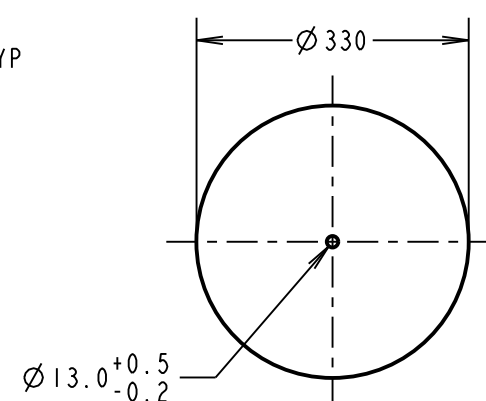
ALL DIMENSIONS IN mm

## TAPE DETAILS FOR 02 TO 06, 08 & 10 WAYS ONLY



- NOTES:
- FOR CONNECTOR DETAILS AND SPECIFICATIONS, SEE SHEET 3.
  - PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRA INDUSTRIES ASSOCIATION).

SECTION X-X



ORDER CODE:

**M50-314XX45X**No. OF CONTACTS:  
02 TO 06, 08, 10, 20PACKING:  
BLANK = TUBE (SHEET 3)  
R = TAPE AND REEL**HARWIN**www.harwin.com  
technical@harwin.com

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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>

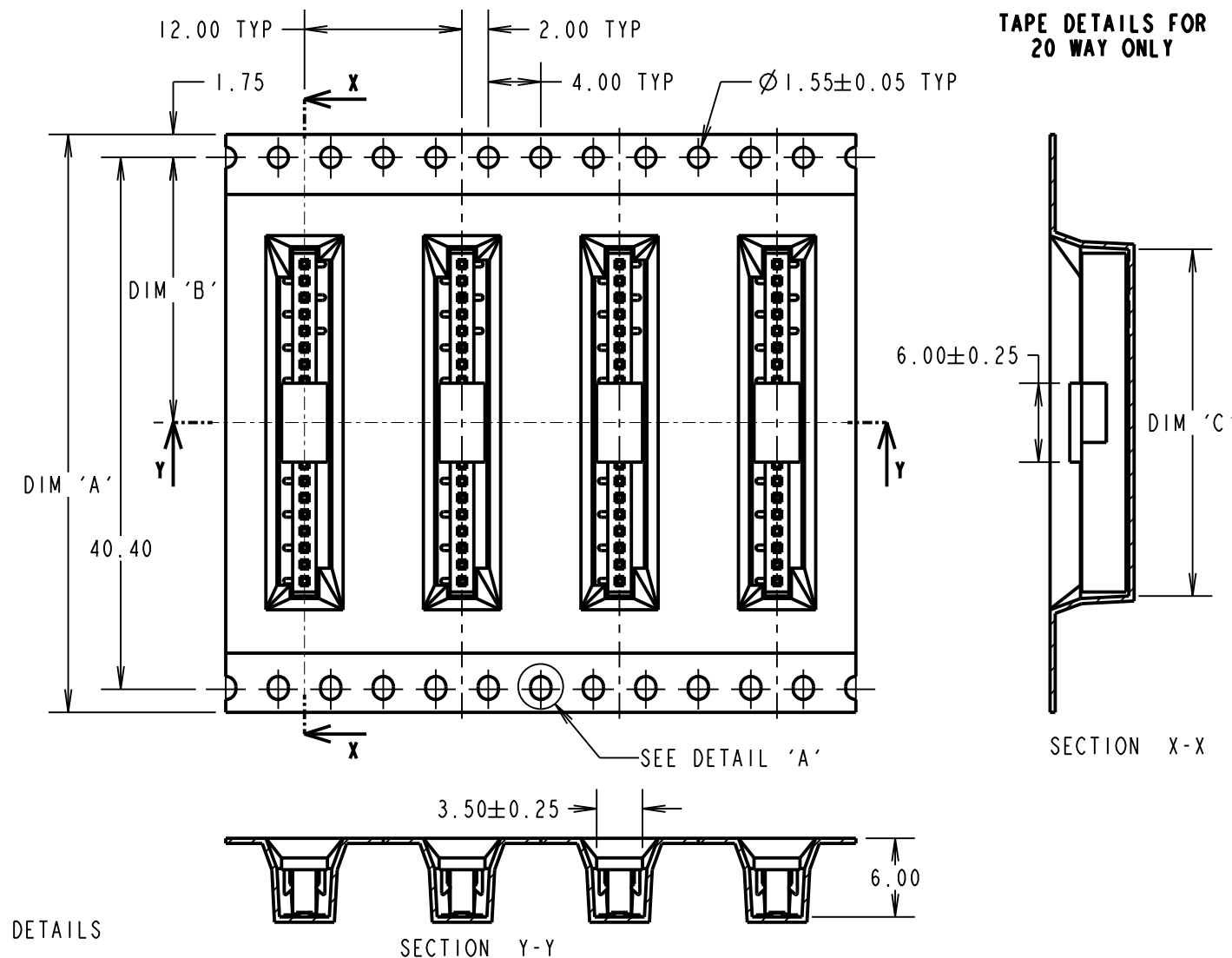
### TITLE:

1.27mm PITCH, SIL  
VERTICAL SMT SOCKET

DRAWING NUMBER:

**M50-314XX45X**SHT  
4 OF 4

## TAPE DETAILS FOR 20 WAY ONLY



SECTION X-X

SECTION Y-Y

REEL DETAILS

| PART No.     | DIMENSION  |            |         | REEL QUANTITY |
|--------------|------------|------------|---------|---------------|
|              | DIM 'A'    | DIM 'B'    | DIM 'C' |               |
| M50-3140245R | 16.00±0.30 | 7.50       | 6.60    | 1000          |
| M50-3140345R |            |            | 6.40    |               |
| M50-3140445R |            |            | 6.60    |               |
| M50-3140545R |            |            | 7.13    |               |
| M50-3140645R | 24.00±0.30 | 11.50      | 8.42    |               |
| M50-3140845R |            |            | 10.96   |               |
| M50-3141045R |            |            | 13.50   |               |
| M50-3142045R | 44.00±0.30 | 20.20±0.15 | 26.20   |               |

|                    |      |          |        |
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