

# Customer Information Sheet

DRAWING No.: M40-320XX45R

SHEET 3 OF 4

IF IN DOUBT - ASK

(C)

NOT TO SCALE

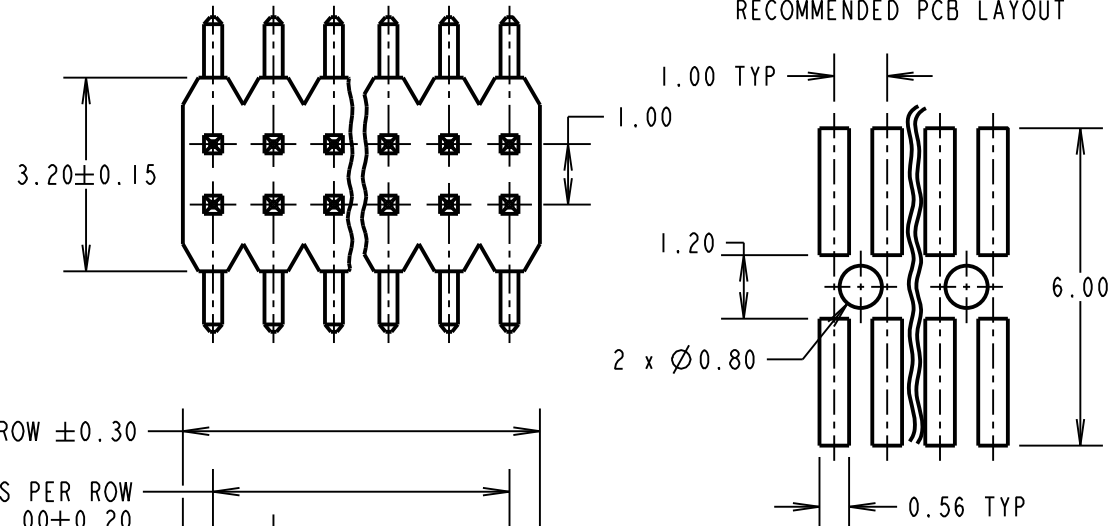
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

## SPECIFICATIONS:

**MATERIAL:**  
 MOULDING = GLASS FILLED PA9T,  
 UL94V-0, BLACK  
**CONTACTS = BRASS**  
**FINISH:**  
 45 = GOLD FLASH OVER NICKEL  
**ELECTRICAL:**  
 CURRENT RATING = 1.0A  
 CONTACT RESISTANCE = 30 mΩ MAX  
 INSULATION RESISTANCE = 1000 MΩ MIN  
**MECHANICAL:**  
 DURABILITY = 300 OPERATIONS  
 DIELECTRIC STRENGTH = 500V AC/DC  
**ENVIRONMENTAL:**  
 TEMPERATURE RANGE = -40°C TO +105°C  
 FOR COMPLETE SPECIFICATION, SEE  
 COMPONENT SPECIFICATION C026XX (LATEST ISSUE)

## RECOMMENDED PCB LAYOUT



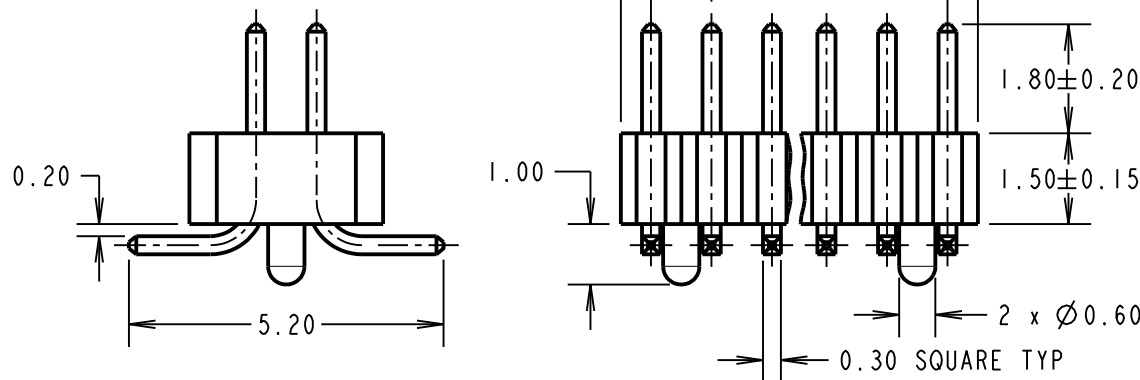
## ORDER CODE:

**M40-320XX45R**

No. OF CONTACTS PER ROW  
 03, 04, 05, 06, 08, 10, 20  
 25

No. OF CONTACTS PER ROW  $\pm 0.30$

No. OF CONTACTS PER ROW  
 $- 1.00 \pm 0.20$



## NOTES:

1. ALL TOLERANCES ARE  $\pm 0.25$  UNLESS OTHERWISE STATED.
2. CAP REMOVED FROM MAIN VIEWS FOR CLARITY, PART COMES FITTED WITH CAP. SEE SHEET 4 FOR CAP DETAILS.

|                |           |          |        |
|----------------|-----------|----------|--------|
| MSP            | 3         | 14.09.17 | 20547  |
| NAME           | ISS.      | DATE     | C/NOTE |
| APPROVED:      | M.PERREN  |          |        |
| CHECKED:       | S.BENNETT |          |        |
| DRAWN:         | R.ADDE    |          |        |
| CUSTOMER REF.: |           |          |        |
| ASSEMBLY DRG:  |           |          |        |

**HARWIN**

www.harwin.com  
 technical@harwin.com

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## TOLERANCES

~~X =  $\pm 1$ mm~~  
~~X.X =  $\pm 0.50$ 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: 1.00mm PITCH DIL  
 SMT PIN HEADER ASSEMBLY  
 (TAPE & REEL)

## DRAWING NUMBER:

**M40-320XX45R**

SHT  
 3  
 OF  
 4

# Customer Information Sheet

DRAWING No.: M40-320XX45R

SHEET 4 OF 4

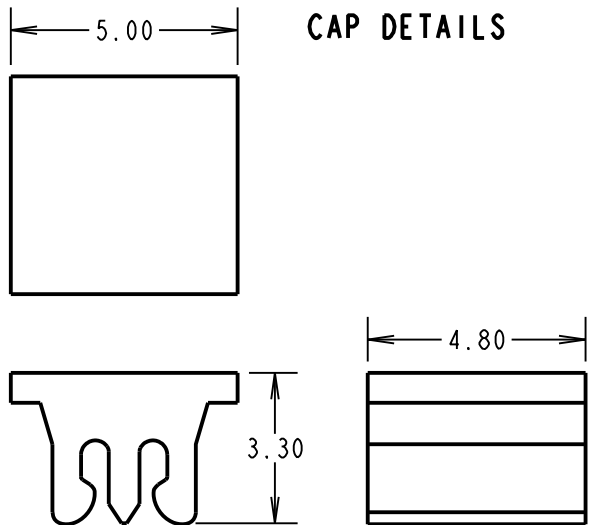
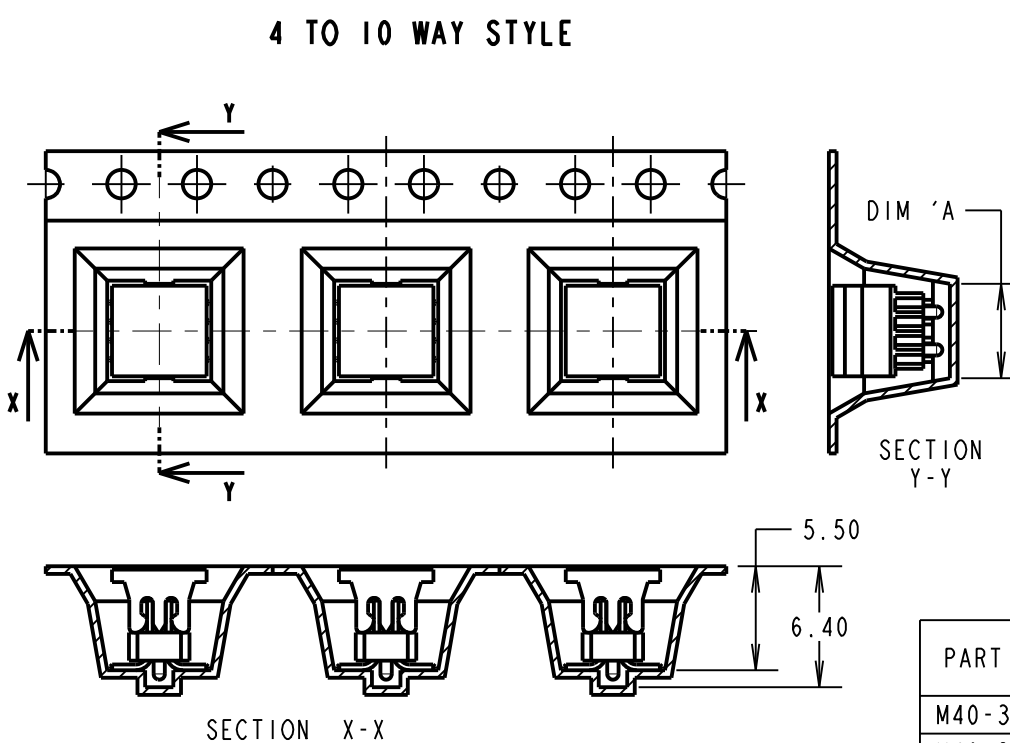
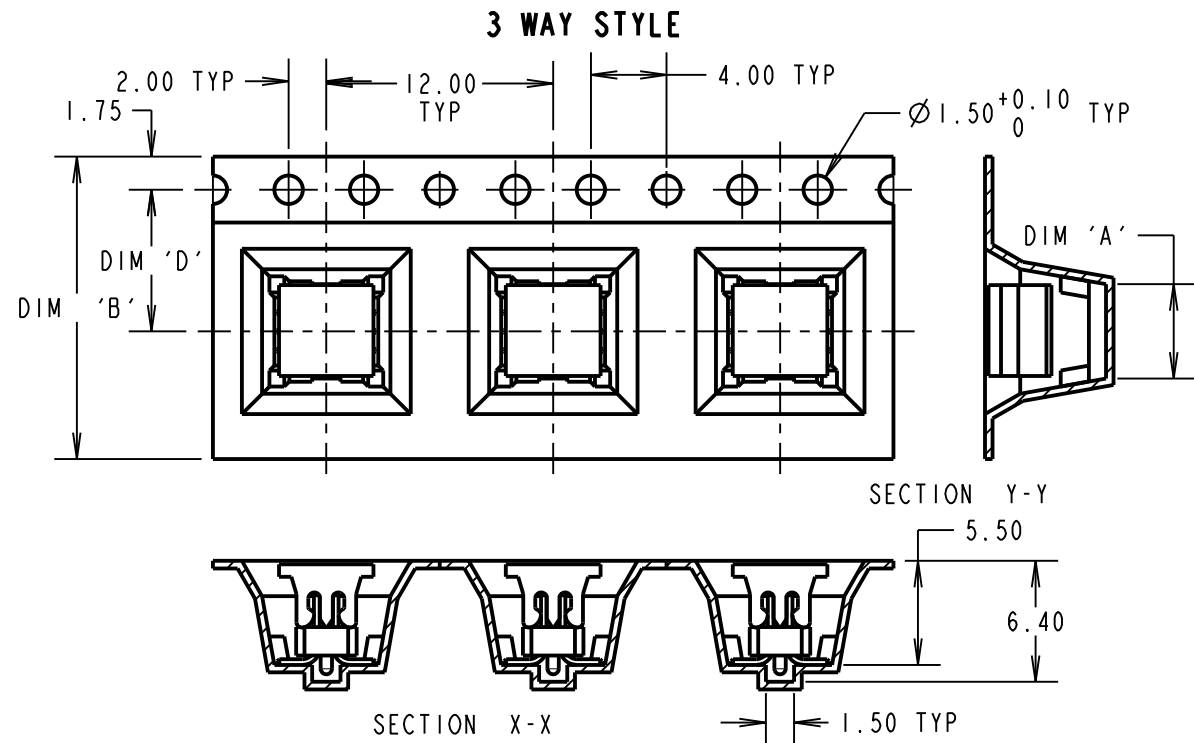
IF IN DOUBT - ASK

(C)

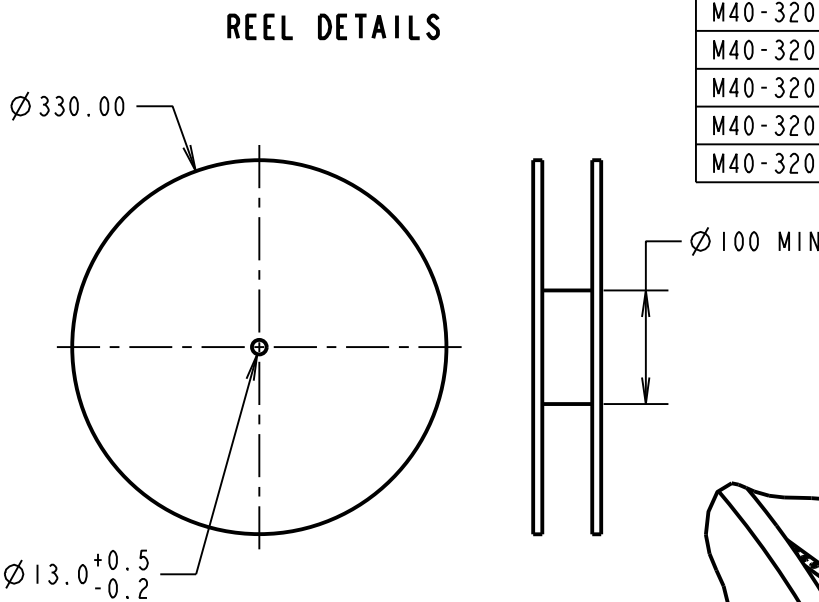
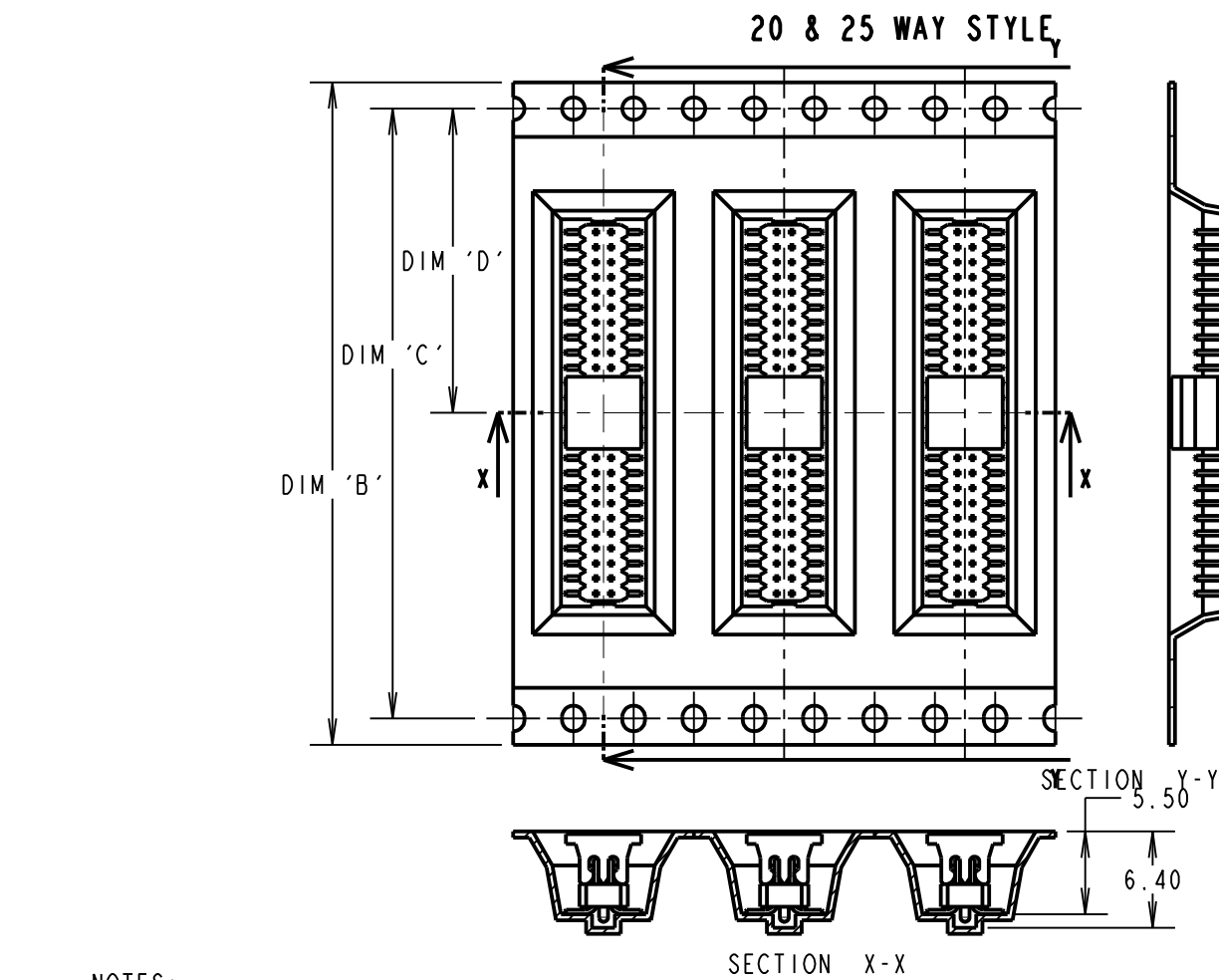
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

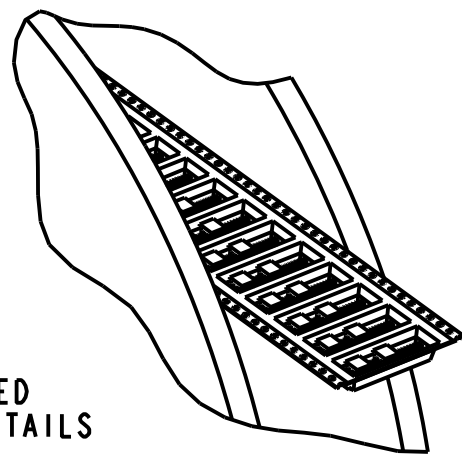


| PART NUMBER  | DIM 'A' | DIM 'B'    | DIM 'C' | DIM 'D'    |
|--------------|---------|------------|---------|------------|
| M40-3200345R | 5.00    | 16.00±0.30 |         | 7.50±0.10  |
| M40-3200445R | 5.00    |            |         |            |
| M40-3200545R | 5.40    |            |         |            |
| M40-3200645R | 6.40    | 24.00±0.30 |         | 11.50±0.10 |
| M40-3200845R | 8.40    |            |         |            |
| M40-3201045R | 10.40   | 44.00±0.30 | 40.40   | 20.20±0.15 |
| M40-3202045R | 20.40   |            |         |            |
| M40-3202545R | 25.40   |            |         |            |



ORDER CODE:  
**M40-320XX45R**  
No. OF CONTACTS PER ROW  
03, 04, 05, 06, 08, 10, 20  
25

**FINISHED  
REELING DETAILS**



- NOTES:
- FOR CONNECTOR DIMENSIONS, SEE SHEET 3.
  - TAPE & REEL TO BE IN ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).
  - PICK & PLACE CAP IS THE SAME FOR ALL SIZES.
  - QUANTITY PER REEL FOR ALL SIZES = 800.
  - TAPE THICKNESS FOR ALL WAYS IS 0.40±0.10.

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**TOLERANCES**  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

**MATERIAL:**  
SEE SHEET 3  
**FINISH:** SEE SHEET 3  
**S/AREA:** mm<sup>2</sup>

**TITLE:** 1.00mm PITCH DIL SMT PIN HEADER ASSEMBLY (TAPE & REEL)  
**DRAWING NUMBER:** M40-320XX45R  
**SHT** 4 OF 4

|                    |      |          |        |
|--------------------|------|----------|--------|
| MSP                | 3    | 14.08.17 | 20547  |
| NAME               | ISS. | DATE     | C/NOTE |
| APPROVED: M.PERREN |      |          |        |
| CHECKED: S.BENNETT |      |          |        |
| DRAWN: R.ADDE      |      |          |        |
| CUSTOMER REF.:     |      |          |        |
| ASSEMBLY DRG:      |      |          |        |