

# Customer Information Sheet

DRAWING No.: M22-532XXXXR

SHEET 3 OF 4

IF IN DOUBT - ASK

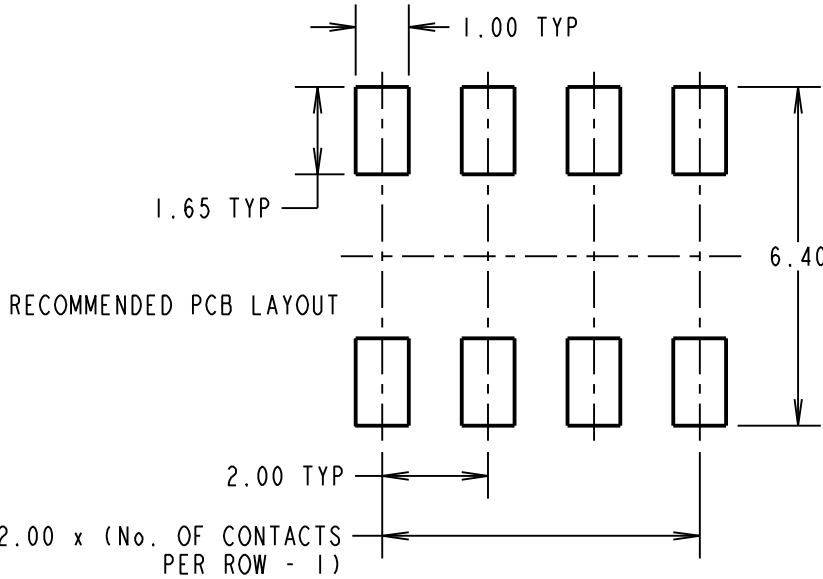
©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SPECIFICATIONS:**  
**MATERIAL:**  
MOULDING, PICK & PLACE CAP = NYLON 6T, UL94V-0, BLACK  
CONTACTS = PHOSPHOR BRONZE  
**FINISH:**  
05 = GOLD  
46 = 100% TIN, OVER NICKEL  
**ELECTRICAL:**  
CURRENT RATING = 1A  
CONTACT RESISTANCE = 20mΩ MAX (GOLD), 30mΩ MAX (TIN)  
INSULATION RESISTANCE = 100MΩ MIN  
**MECHANICAL:**  
DURABILITY = 300 OPERATIONS (GOLD), 50 OPERATIONS (TIN)  
DIELECTRIC STRENGTH = 650V AC/DC  
**ENVIRONMENTAL:**  
TEMPERATURE RANGE = -40°C TO +105°C  
FOR COMPLETE SPECIFICATION, SEE  
COMPONENT SPECIFICATION C018XX (LATEST ISSUE)



**Active products:**

M22-5320205R  
M22-53203XXR  
M22-53205XXR  
M22-5320605R  
M22-5320705R  
M22-5322205R  
M22-5322505R

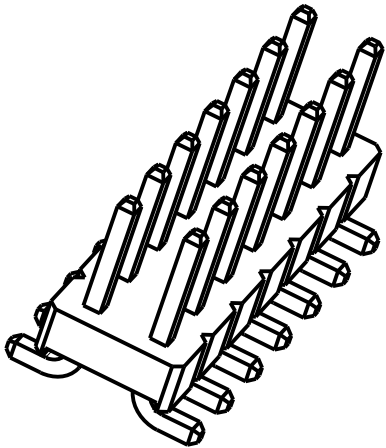
ORDER CODE:

**M22-532XXXXR**

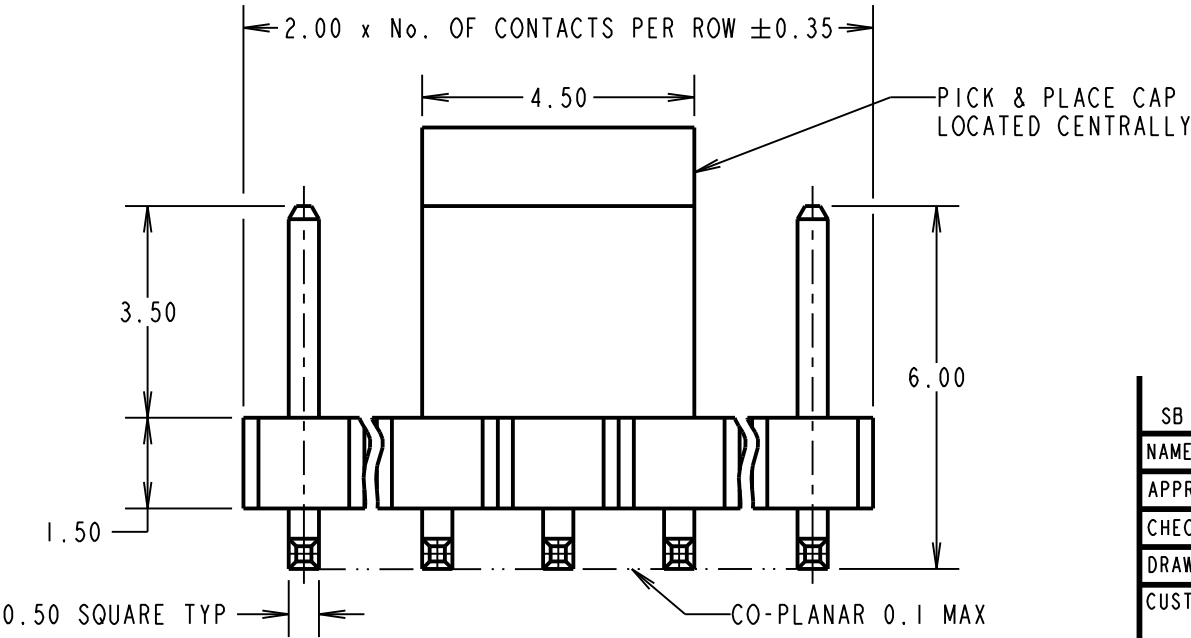
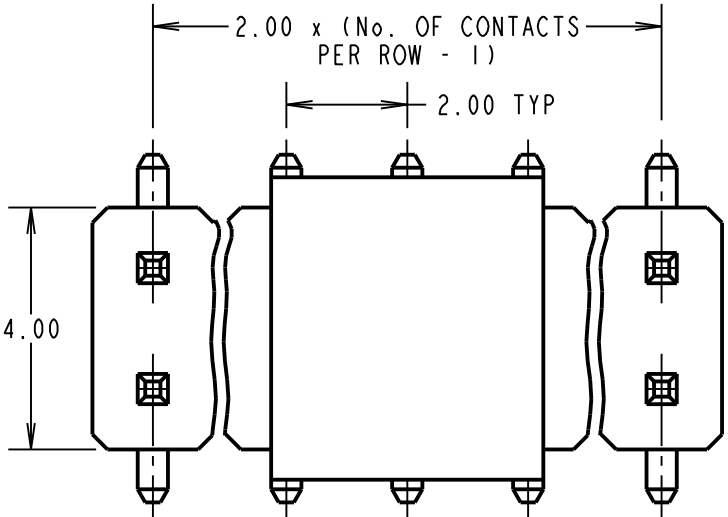
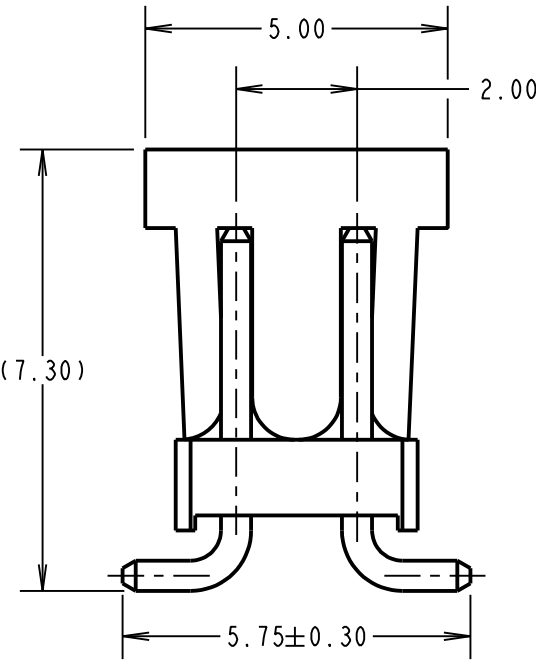
No. OF CONTACTS PER ROW:  
02, 03, 05, 07, 08, 09,  
10, 11

FINISH:  
05 - GOLD  
46 - 100% TIN

**OBSOLETE**  
All other size/finish  
combinations not listed above



PICK AND PLACE CAP  
HIDDEN FOR ILLUSTRATION  
ONLY



**NOTES:**  
1. ALL TOLERANCES ARE  $\pm 0.25$  UNLESS OTHERWISE STATED.  
2. SEE DRAWING M22-532XXXXP FOR PICK AND PLACE VERSION, M22-532XXXX FOR STANDARD PRODUCT.  
3. FOR TAPE & REEL DETAILS, SEE SHEET 4.  
4. CO-PLANARITY: FLATNESS OF SMT TAILS MUST NOT EXCEED 0.1mm.

**HARWIN**

www.harwin.com  
technical@harwin.com

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THEIR WRITTEN PERMISSION.

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: 2.00mm PITCH DIL  
SMT PIN HEADER ASSEMBLY  
(WITH P/PLACE CAP, T/REEL)

DRAWING NUMBER:

**M22-532XXXXR**

SHT  
3 OF 4

|                |      |           |        |
|----------------|------|-----------|--------|
| SB             | 12   | 27.04.15  | 12763  |
| NAME           | ISS. | DATE      | C/NOTE |
| APPROVED:      |      | S.BENNETT |        |
| CHECKED:       |      | M.PLESTED |        |
| DRAWN:         |      | J.KEIR    |        |
| CUSTOMER REF.: |      |           |        |
| ASSEMBLY DRG:  |      |           |        |

# Customer Information Sheet

DRAWING No.: M22-532XXXXR

SHEET 4 OF 4

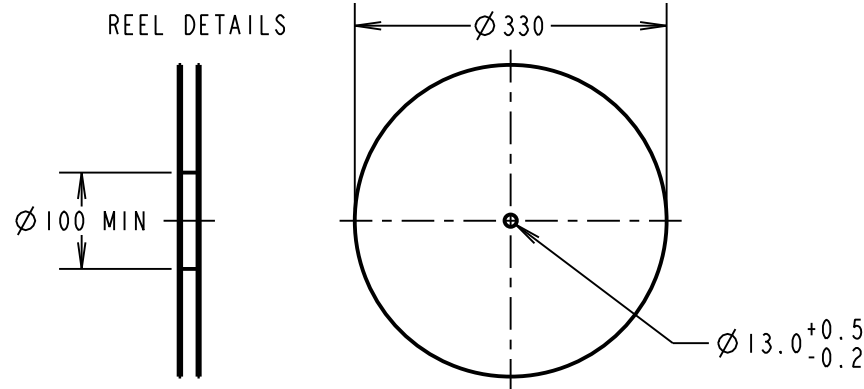
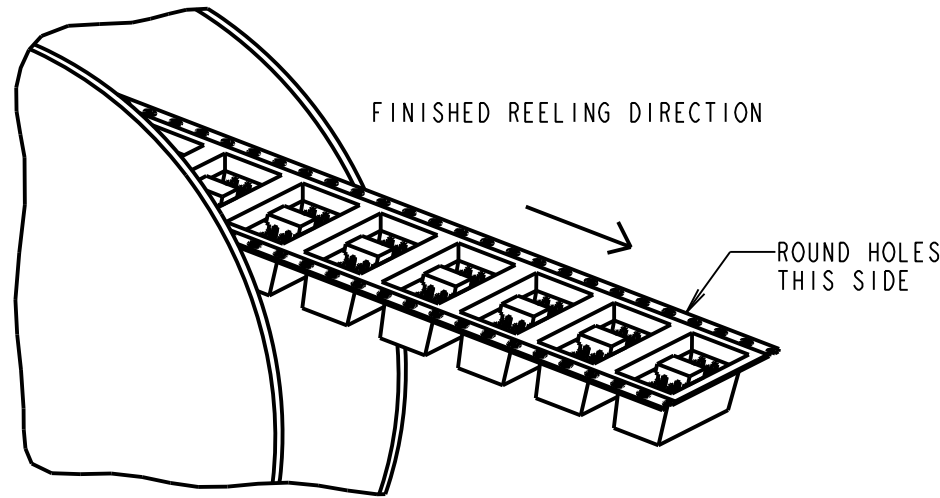
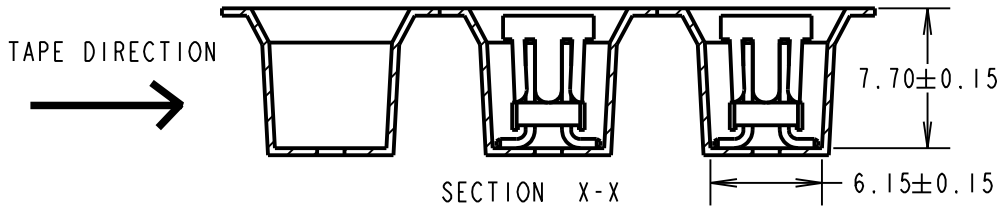
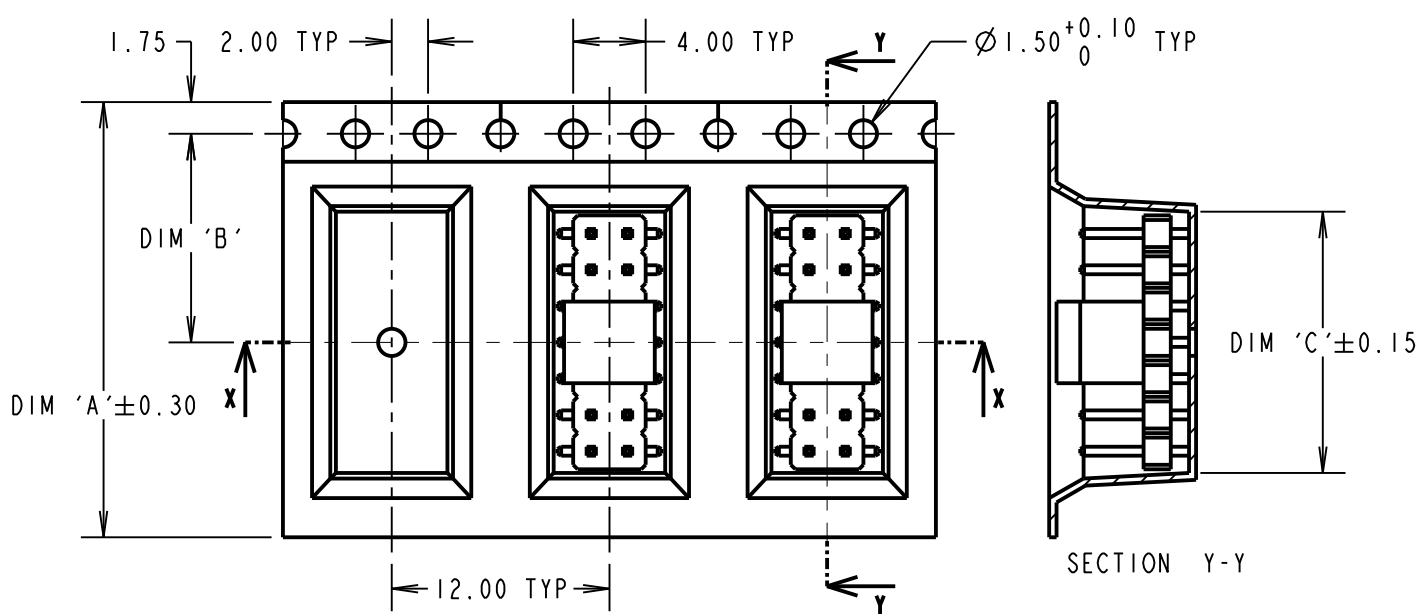
IF IN DOUBT - ASK

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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

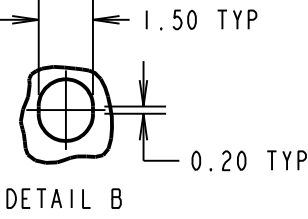
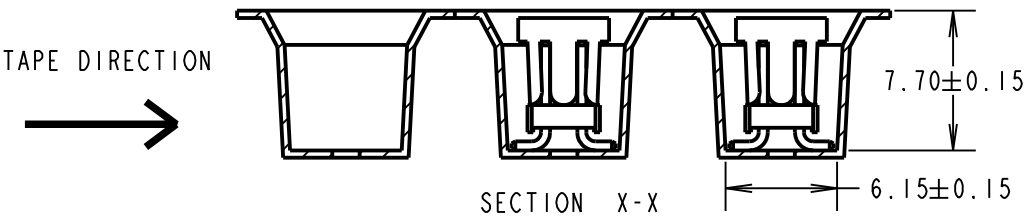
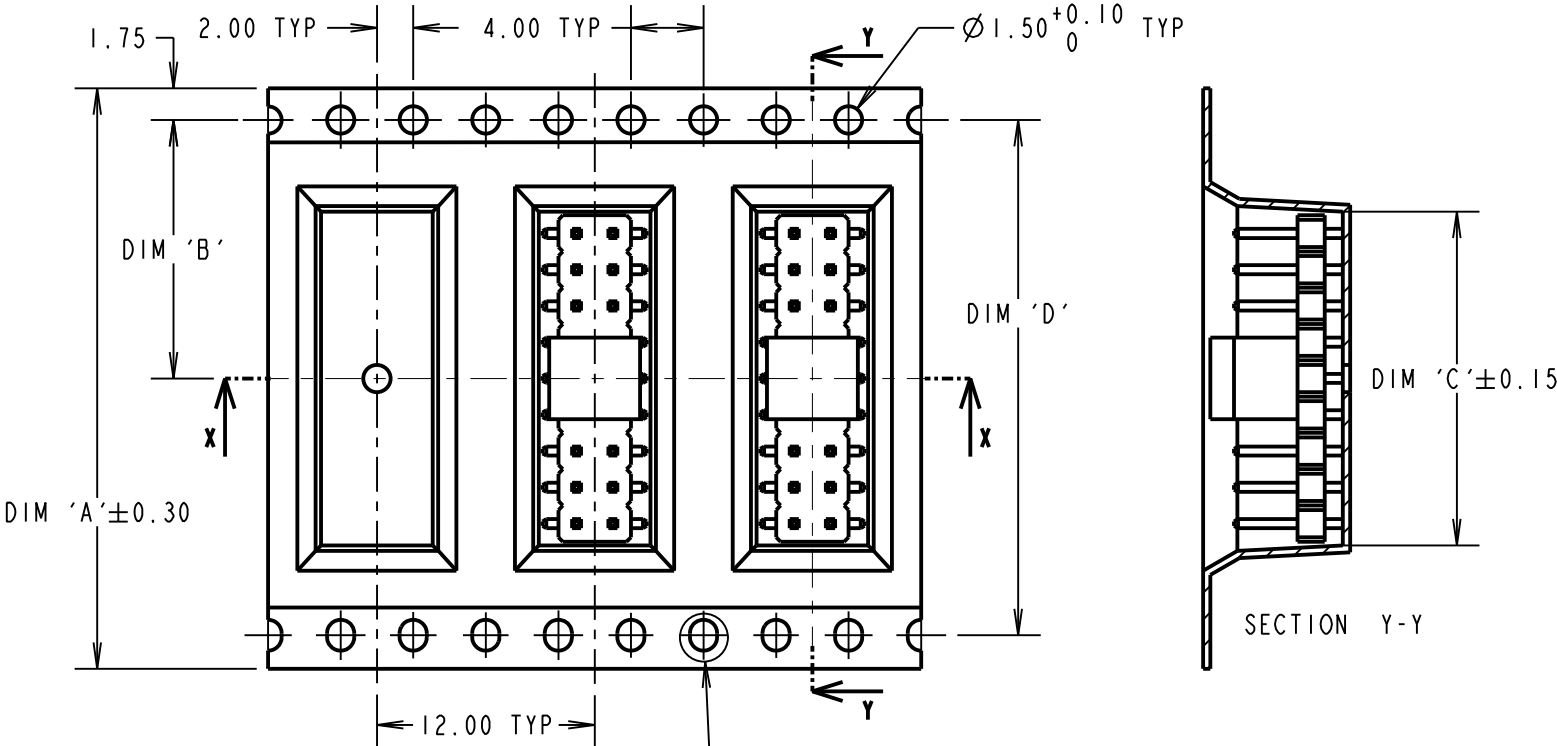


Active products:

M22-5320205R  
M22-53203XXR  
M22-53205XXR  
M22-5320605R  
M22-5320705R  
M22-5322205R  
M22-5322505R

- NOTES:
1. QUANTITY PER REEL= 700 PIECES.
  2. FOR CONNECTOR DETAILS, SEE SHEET 3.
  3. SEE DRAWING M22-532XXXXP FOR PICK & PLACE VERSION & M22-532XXXX FOR STANDARD PRODUCT.

| PART No.                | DIM 'A'          | DIM 'B'          | DIM 'C'          | DIM 'D'          |
|-------------------------|------------------|------------------|------------------|------------------|
| M22-53202XXR            | 16.00            | 7.50             | 4.20             | N/A              |
| M22-53203XXR            | 16.00            | 7.50             | 6.20             | N/A              |
| M22-53205XXR            | 24.00            | 11.50            | 10.20            | N/A              |
| M22-53207XXR            | 32.00            | 14.20            | 14.40            | 28.40            |
| <del>M22-53208XXR</del> | <del>32.00</del> | <del>14.20</del> | <del>16.40</del> | <del>28.40</del> |
| <del>M22-53209XXR</del> | <del>32.00</del> | <del>14.20</del> | <del>18.40</del> | <del>28.40</del> |
| <del>M22-53210XXR</del> | <del>44.00</del> | <del>20.20</del> | <del>20.40</del> | <del>40.40</del> |
| <del>M22-53211XXR</del> | <del>44.00</del> | <del>20.20</del> | <del>22.40</del> | <del>40.40</del> |



**OBSOLETE**  
All other size/finish combinations not listed above

ORDER CODE:

**M22-532XXXXR**

No. OF CONTACTS PER ROW:  
02, 03, 05, 07, 08, 09,  
10, 11

FINISH:  
05 - GOLD  
46 - 100% TIN

|                |           |          |        |
|----------------|-----------|----------|--------|
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| NAME           | ISS.      | DATE     | C/NOTE |
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| CUSTOMER REF.: |           |          |        |
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TOLERANCES  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.10mm  
X.XXX = ±0.01mm  
ANGLES = 2±5°  
UNLESS STATED

MATERIAL: SEE ABOVE

FINISH: SEE ABOVE

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

TITLE: 2.00mm PITCH DIL SMT PIN HEADER ASSEMBLY (WITH P/PLACE CAP, T/REEL)

DRAWING NUMBER: **M22-532XXXXR**

SHT 4 OF 4