

# Customer Information Sheet

DRAWING No.: F10-290XX46R

SHEET 3 OF 4

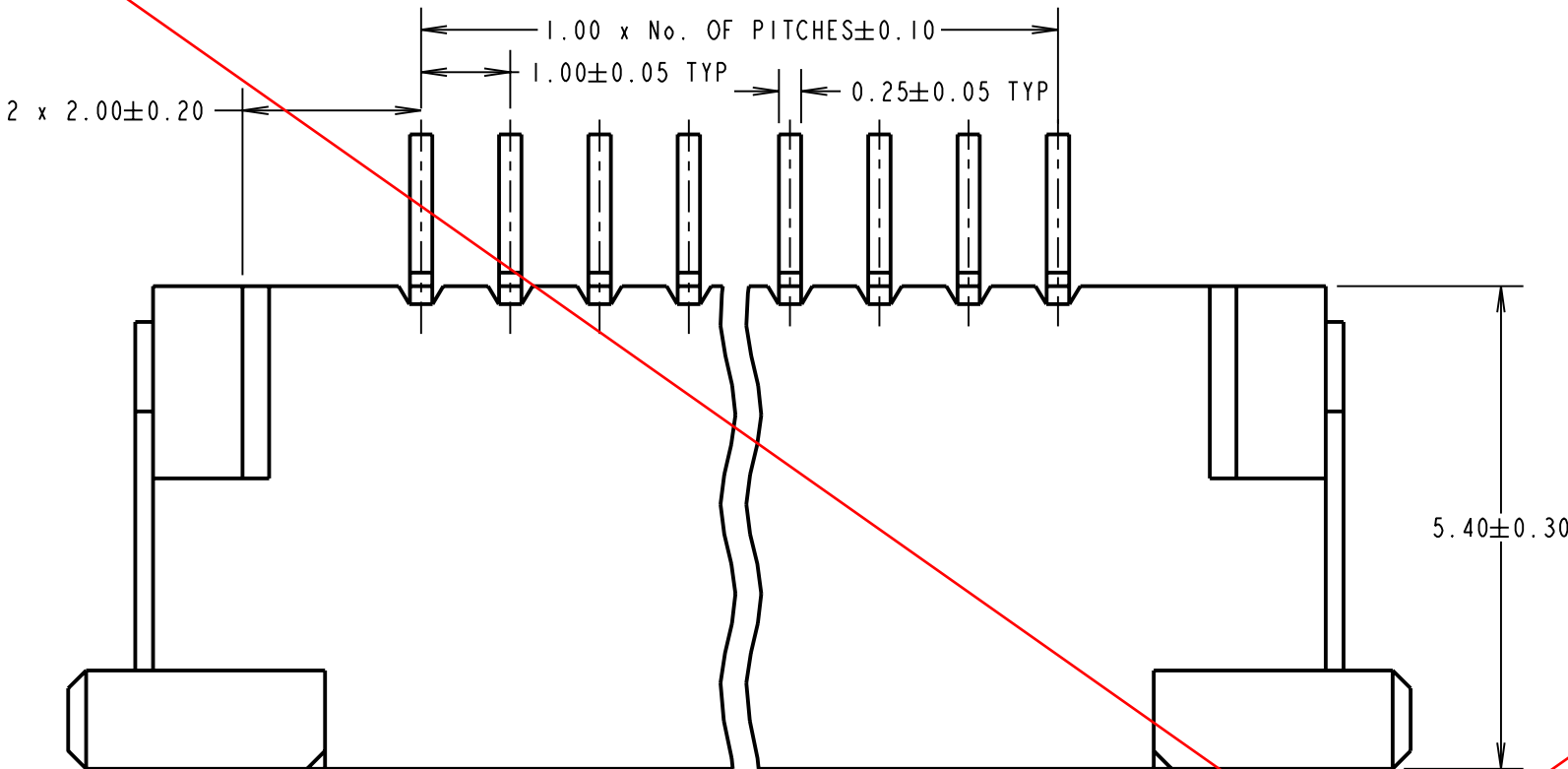
IF IN DOUBT - ASK

©

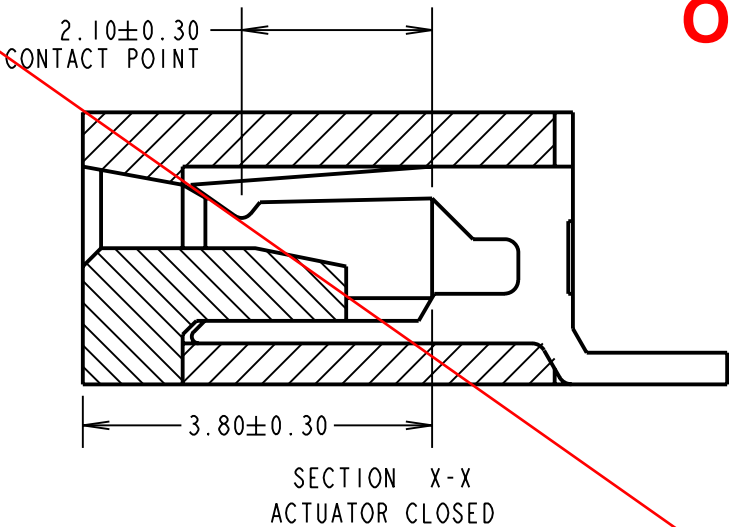
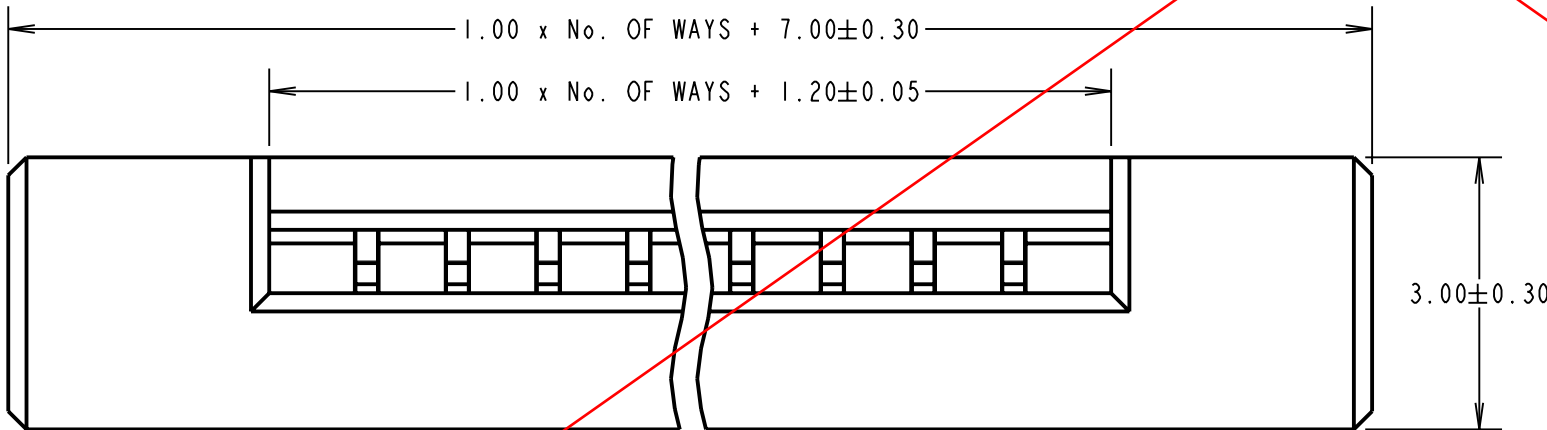
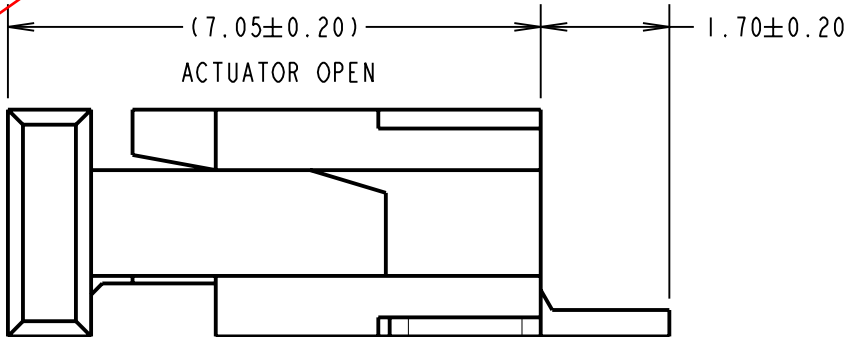
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:  
MATERIAL:  
MOULDINGS - PPS UL94V-0, BLACK  
CONTACTS & RETAINER: PHOSPHOR BRONZE  
FINISH:  
CONTACTS & RETAINER: 0.4  $\mu$  100% TIN OVER 0.2  $\mu$  NICKEL  
ELECTRICAL:  
CURRENT RATING: 1A AC/DC MAX  
VOLTAGE RATING: 125V AC/DC MAX  
CONTACT RESISTANCE: 20 MILLIOHMS MAX  
INSULATION RESISTANCE: 100  $\Omega$  MIN  
DIELECTRIC WITHSTANDING: 500V AC FOR 1 MINUTE  
MECHANICAL:  
FPC RETENTION FORCE: 3.9 + (0.5 x No. OF WAYS) MIN  
DURABILITY: 30 CYCLES  
ENVIRONMENTAL:  
TEMPERATURE RANGE: -20°C TO +85°C  
RESISTANCE TO SOLDER HEAT: 350°C FOR 3 SECONDS  
FOR COMPLETE SPECIFICATION SEE COMPONENT SPECIFICATION C030XX (LATEST ISSUE).



**OBSOLETE**

ORDER CODE:  
**F10-290XX46R**

No. OF WAYS  
03 TO 38  
FINISH  
46 - 100% TIN

NOTES:  
1. FOR REELING DETAILS SEE SHEET 4.

**HARWIN**

|                                                                        |                                                                                    |                                                                                |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|

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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: 1.00mm PITCH SMT  
HORIZONTAL TOP  
CONTACT FPC (TAPE & REEL)

DRAWING NUMBER:

**F10-290XX46R**

SHT

3 OF 4

|                |      |           |       |
|----------------|------|-----------|-------|
| SB             | 8    | 01.04.11  | 10825 |
| NAME           | ISS. | DATE      | C/NOT |
| APPROVED:      |      | S.BENNETT |       |
| CHECKED:       |      | R.ADDE    |       |
| DRAWN:         |      | D.BECK    |       |
| CUSTOMER REF.: |      |           |       |
| ASSEMBLY DRG:  |      |           |       |

# Customer Information Sheet

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SHEET 4 OF 4

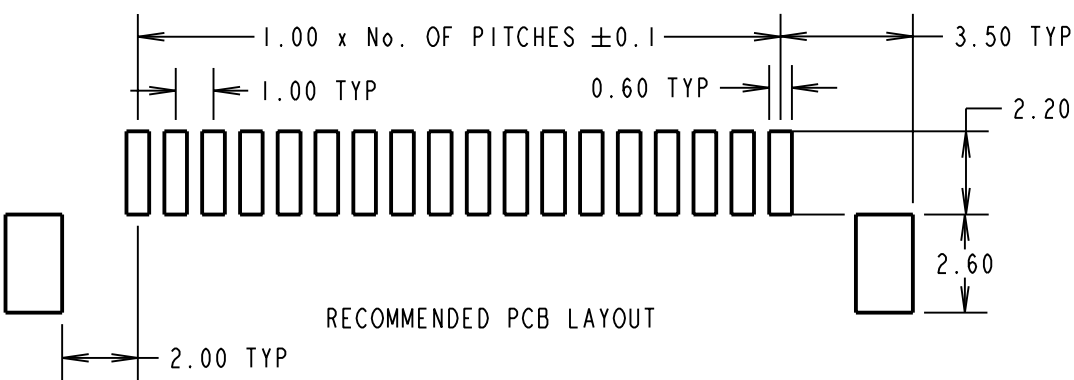
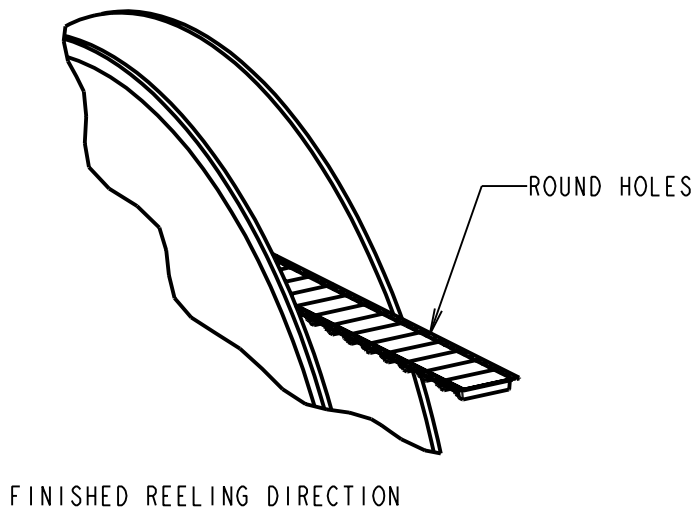
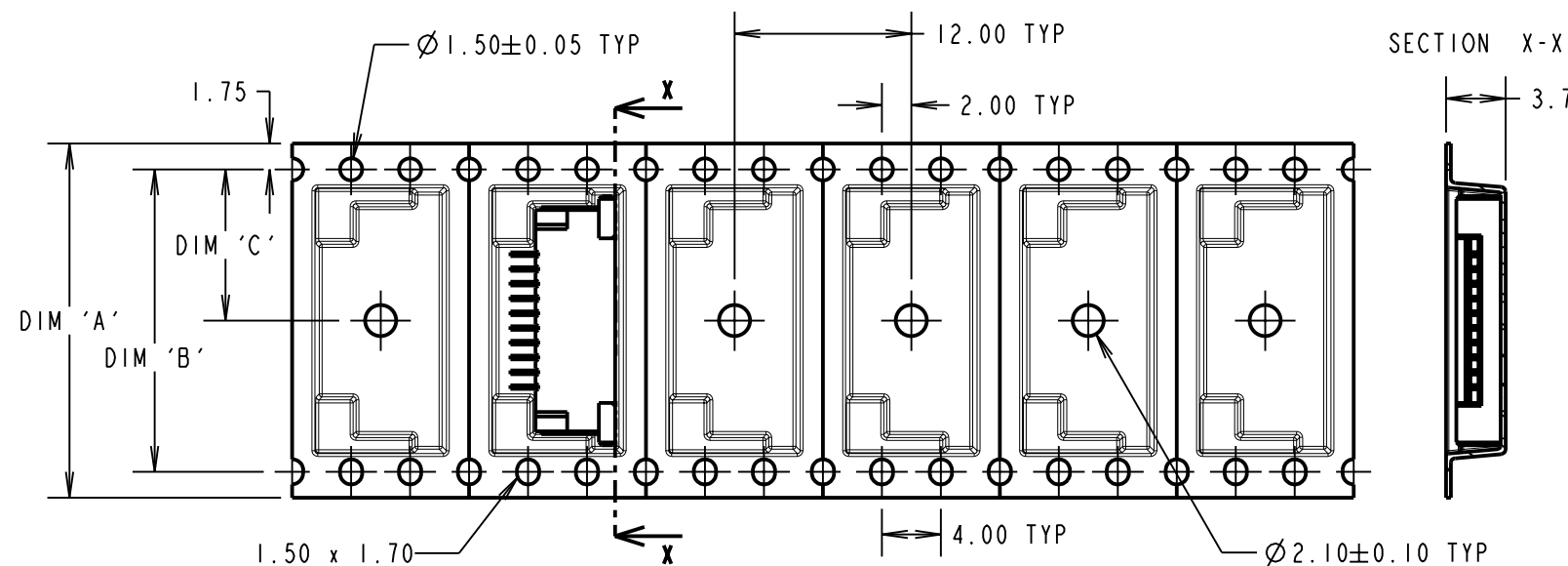
IF IN DOUBT - ASK

(C)

NOT TO SCALE

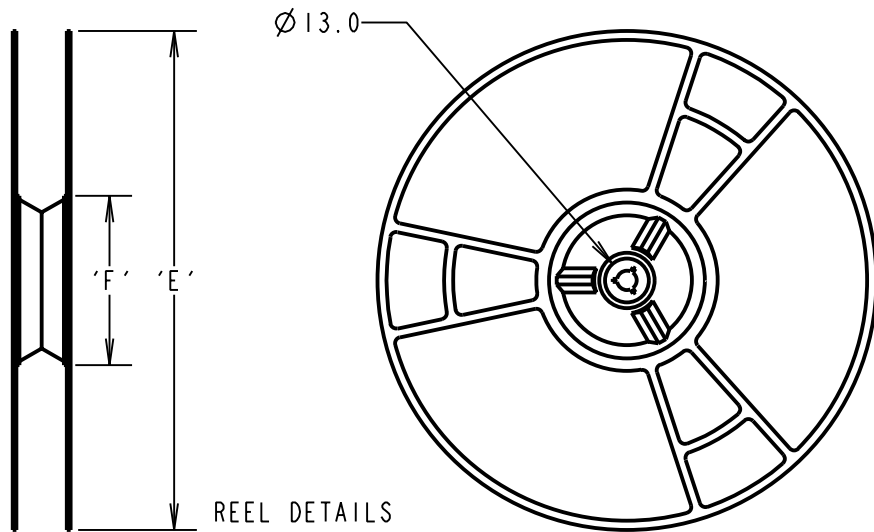
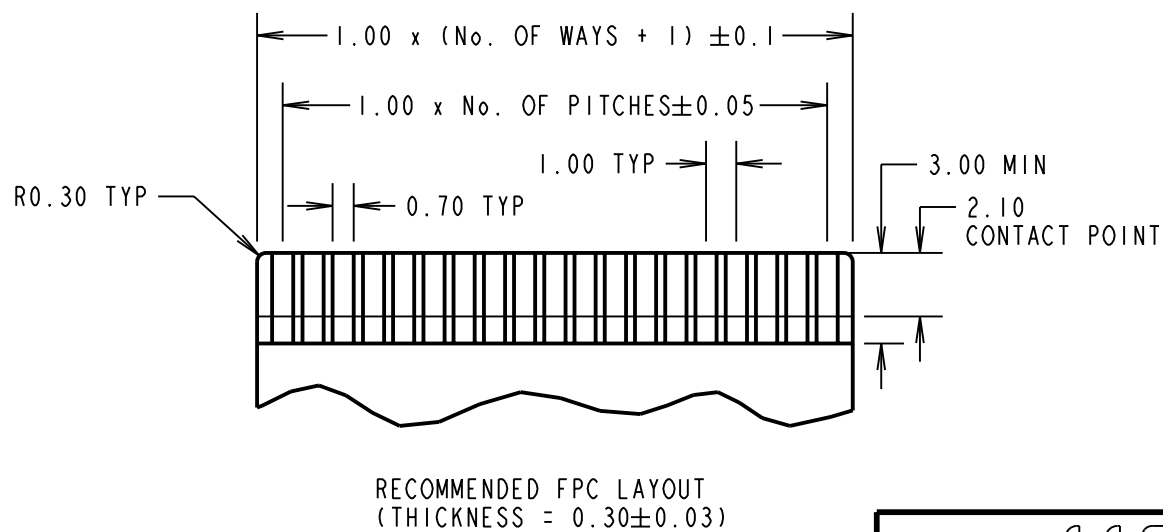
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



- NOTES:
1. FOR CONNECTOR DIMENSIONS SEE SHEET 3.
  2. QUANTITY OF COMPONENTS PER REEL = 1500
  3. TAPE & REELING TO BE IN ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481-2-A.

| HARWIN<br>PART No. | NO. OF<br>WAYS | DIMENSION ±0.20 |      |      |     |     |
|--------------------|----------------|-----------------|------|------|-----|-----|
|                    |                | 'A'             | 'B'  | 'C'  | 'E' | 'F' |
| F10-290XX46R       | 03 TO 11       | 24.0            |      | 11.5 | 330 | 62  |
| F10-290XX46R       | 12 TO 15       | 32.0            | 28.4 | 14.2 |     |     |
| F10-290XX46R       | 16 TO 26       | 44.0            | 40.4 | 20.2 | 360 | 100 |
| F10-290XX46R       | 27 TO 38       | 56.0            | 52.4 | 26.2 |     |     |



|                     |      |          |        |
|---------------------|------|----------|--------|
| SB                  | 8    | 01.04.11 | 10825  |
| NAME                | ISS. | DATE     | C/NOTE |
| APPROVED: S.BENNETT |      |          |        |
| CHECKED: R.ADDE     |      |          |        |
| DRAWN: D.BECK       |      |          |        |
| CUSTOMER REF.:      |      |          |        |
| ASSEMBLY DRG:       |      |          |        |

|                                                                        |                                                                                    |                                                                                |                                                                                                                                                                                                                                                                             |                                                                                                                |                                                         |                                                                  |               |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------------|---------------|
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| HARWIN USA<br>TEL: 603 893 5376<br>FAX: 603 893 5396<br>mis@harwin.com | HARWIN Europe (UK)<br>TEL: 023 9231 4545<br>FAX: 023 9231 4590<br>mis@harwin.co.uk | HARWIN Asia<br>TEL: +65 6 779 4909<br>FAX: +65 6 779 3868<br>mis@harwin.com.sg |                                                                                                                                                                                                                                                                             |                                                                                                                |                                                         | DRAWING NUMBER:<br><b>F10-290XX46R</b>                           | SHT<br>4 OF 4 |

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

[F10-2900346R](#) [F10-2900446R](#) [F10-2900546R](#) [F10-2900646R](#) [F10-2900746R](#) [F10-2900846R](#) [F10-2901046R](#)  
[F10-2901146R](#) [F10-2901246R](#) [F10-2901346R](#) [F10-2901446R](#) [F10-2901546R](#) [F10-2901646R](#) [F10-2901746R](#) [F10-](#)  
[2901846R](#) [F10-2901946R](#) [F10-2902046R](#) [F10-2902146R](#) [F10-2902246R](#) [F10-2902346R](#) [F10-2902446R](#) [F10-](#)  
[2902546R](#) [F10-2902646R](#) [F10-2902746R](#) [F10-2902846R](#) [F10-2902946R](#) [F10-2903046R](#)