

Customer Information Sheet

DRAWING No.: F10-290XX46R

SHEET 3 OF 4

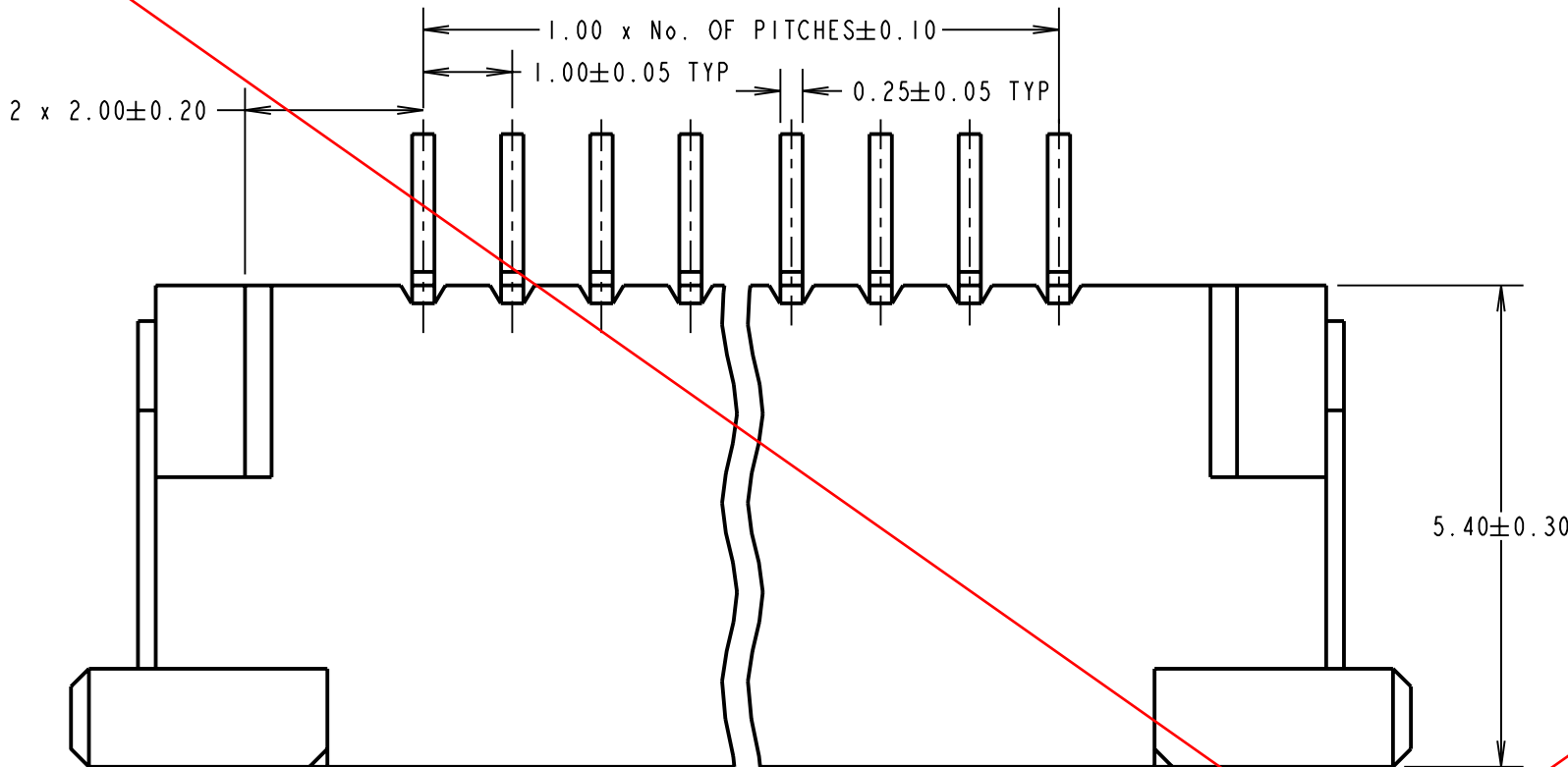
IF IN DOUBT - ASK

©

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 μ 100% TIN OVER 0.2 μ NICKEL

ELECTRICAL:

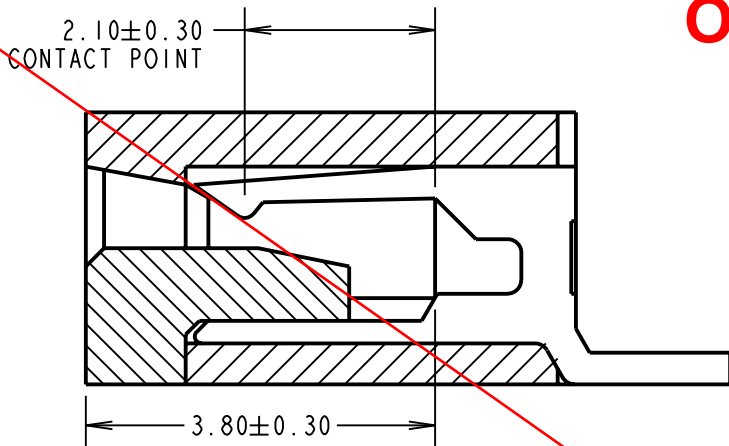
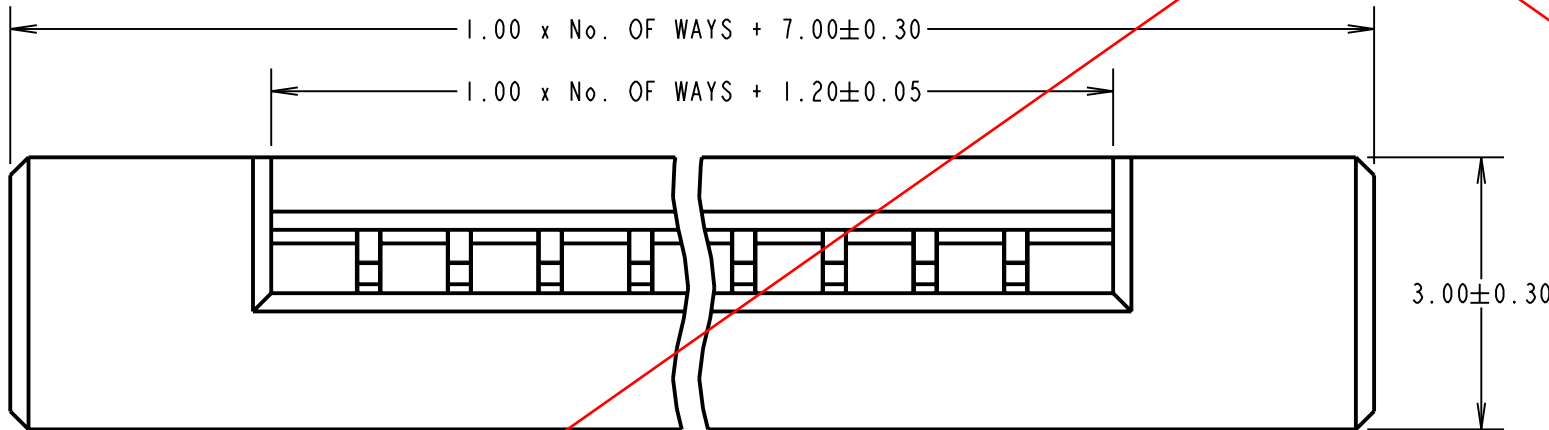
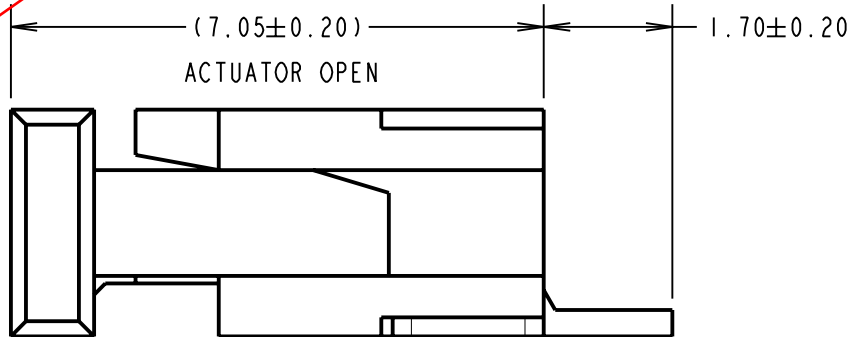
CURRENT RATING: 1A AC/DC MAX
VOLTAGE RATING: 125V AC/DC MAX
CONTACT RESISTANCE: 20 MILLIOHMS MAX
INSULATION RESISTANCE: 100 Ω MIN
DIELECTRIC WITHSTANDING: 500V AC FOR 1 MINUTE

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).



SECTION X-X
ACTUATOR CLOSED

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

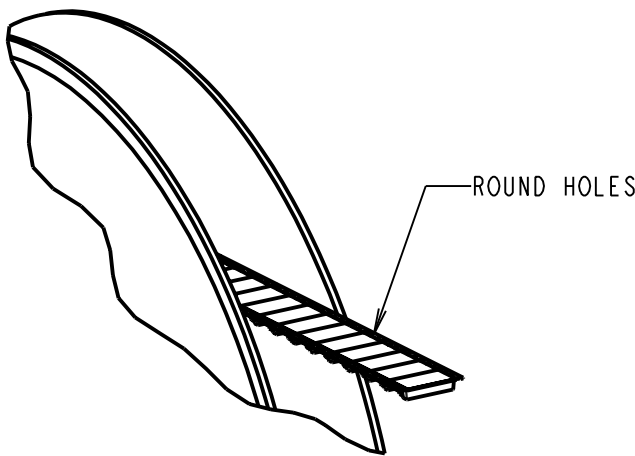
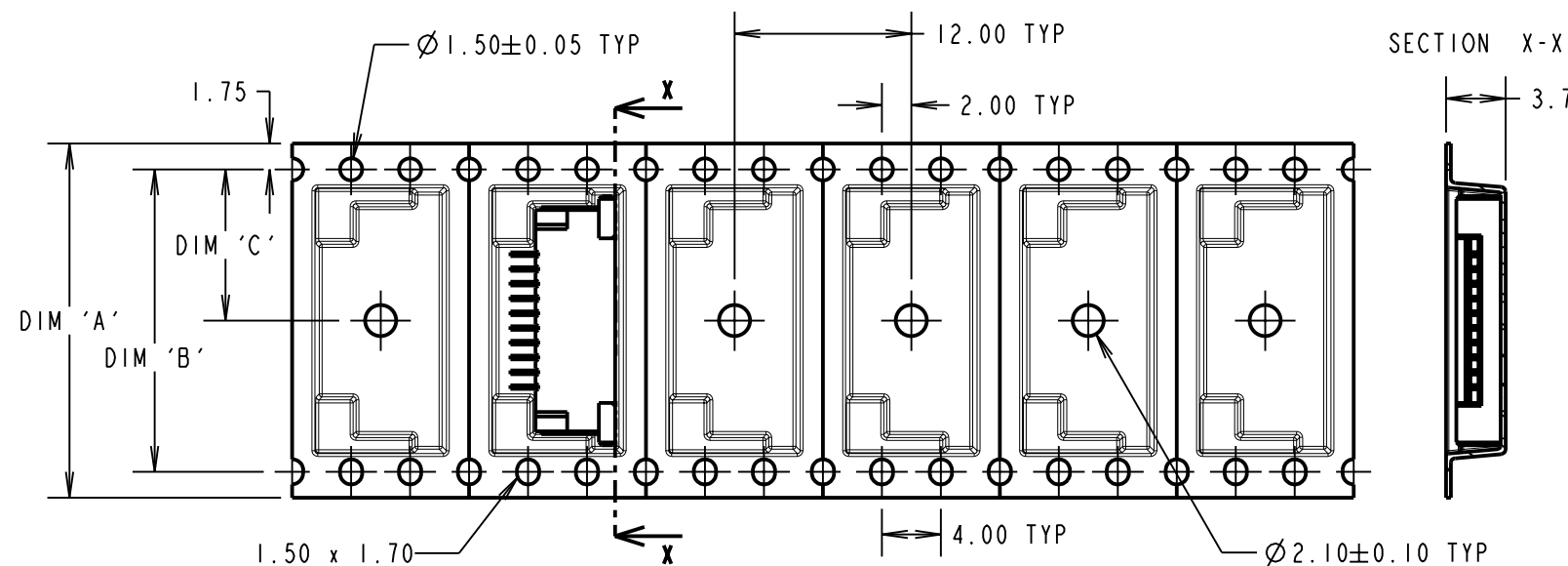
IF IN DOUBT - ASK

(C)

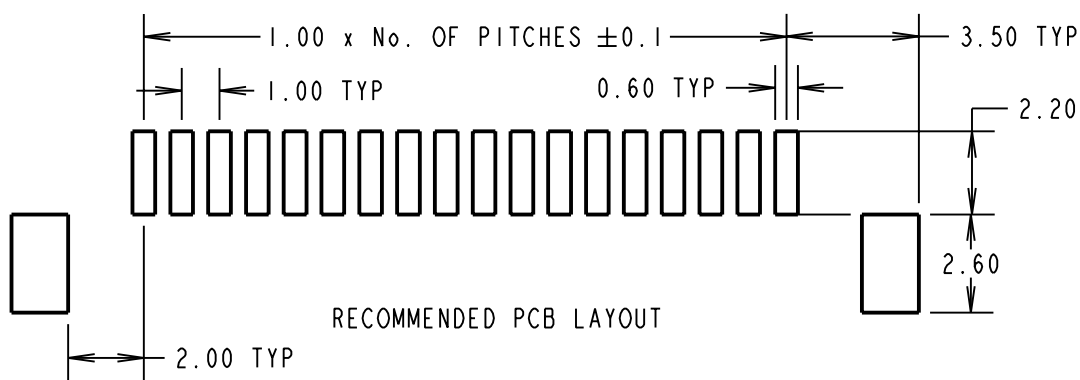
NOT TO SCALE

THIRD ANGLE PROJECTION

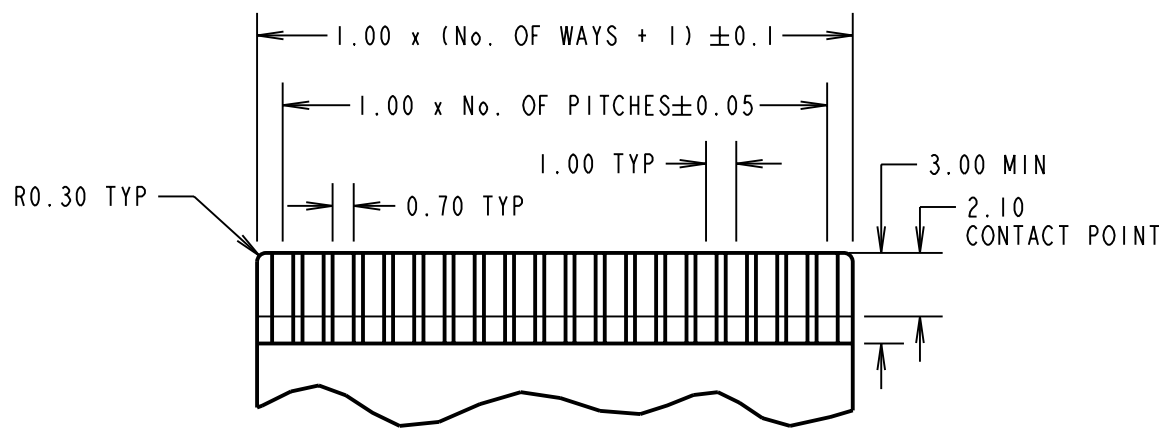
ALL DIMENSIONS IN mm



FINISHED REELING DIRECTION



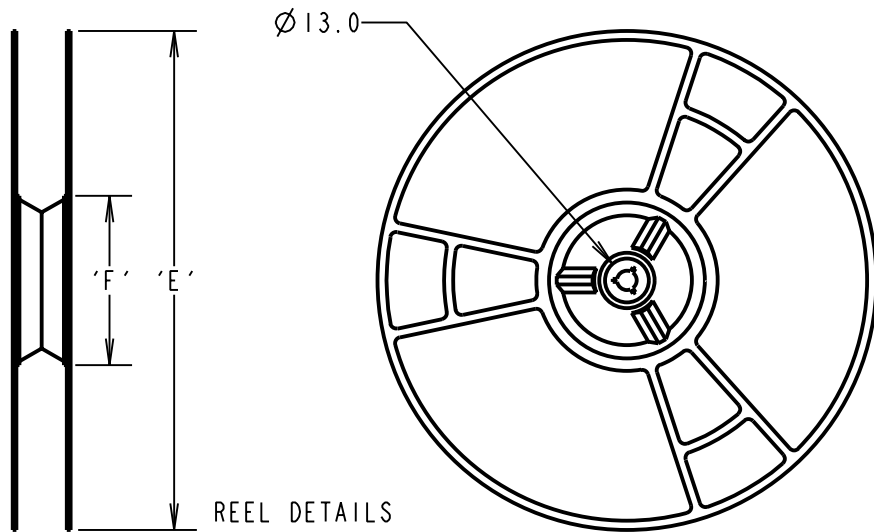
RECOMMENDED PCB LAYOUT



RECOMMENDED FPC LAYOUT
(THICKNESS = 0.30 ± 0.03)

- 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 PART No.	NO. OF 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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TOLERANCES
X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

MATERIAL:
FINISH:
S/AREA: mm ²

TITLE: 1.00mm PITCH SMT HORIZONTAL TOP CONTACT FPC (TAPE & REEL)	
DRAWING NUMBER: F10-290XX46R	SHT 4 OF 4