

# Customer Information Sheet

DRAWING No.: S1971-46R

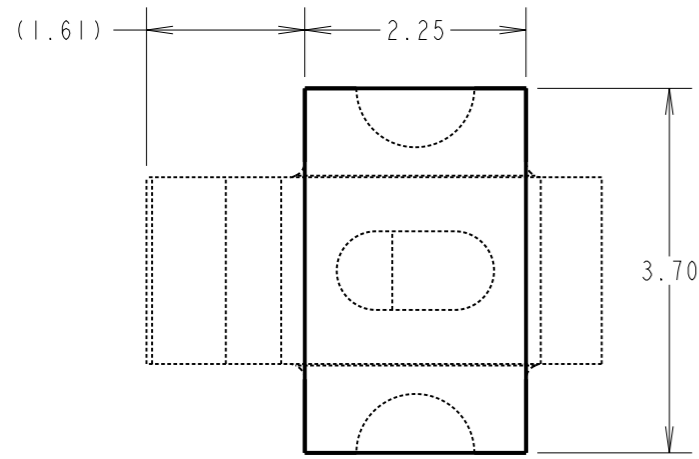
IF IN DOUBT - ASK

©

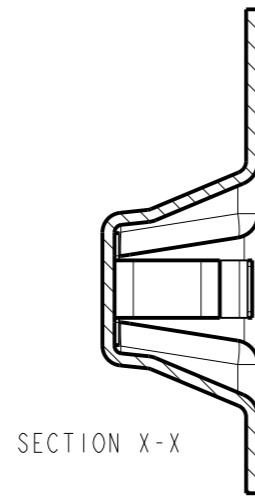
NOT TO SCALE

THIRD ANGLE PROJECTION

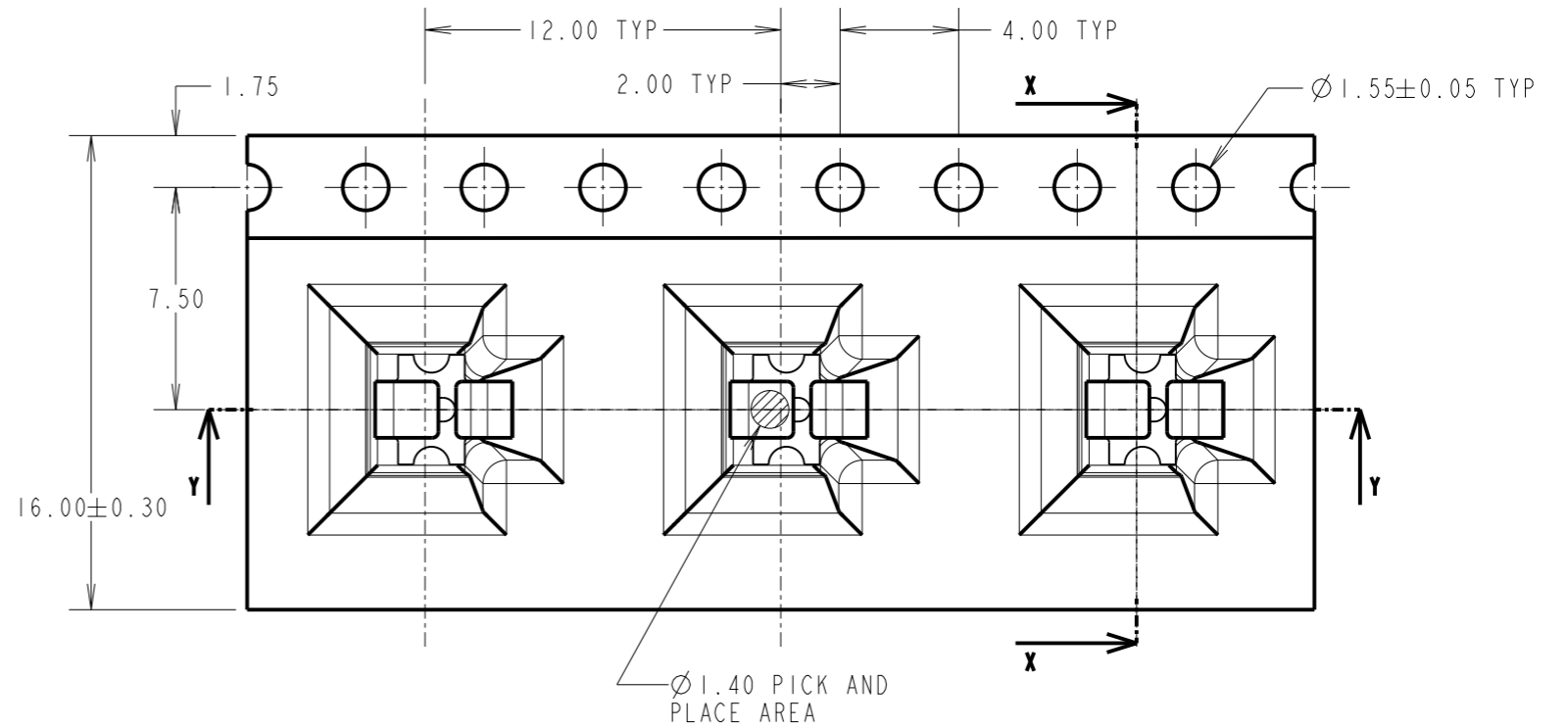
ALL DIMENSIONS IN mm



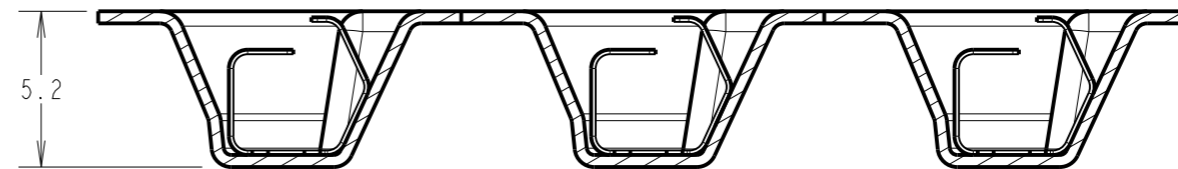
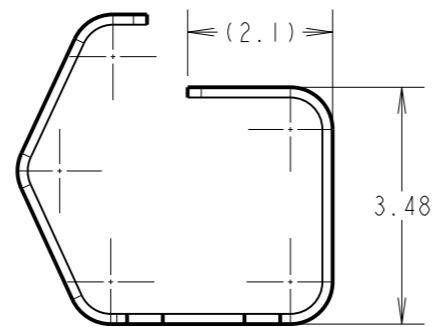
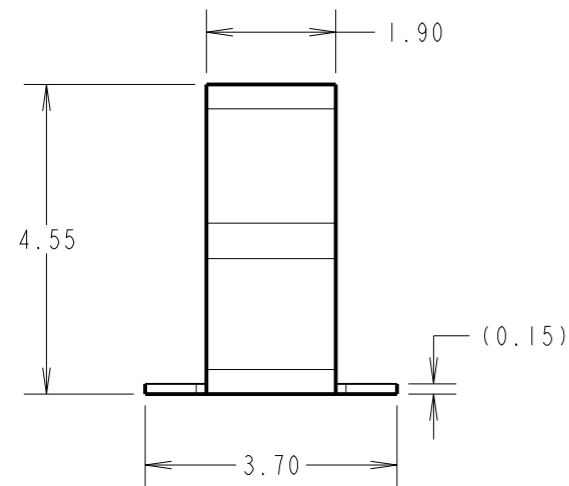
RECOMMENDED PCB PAD LAYOUT  
(TOLERANCES  $\pm 0.05$ )



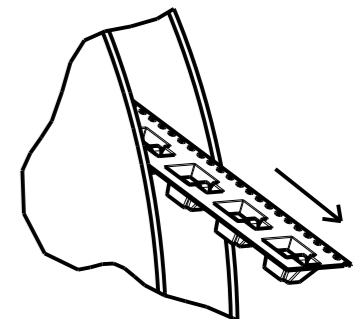
SECTION X-X



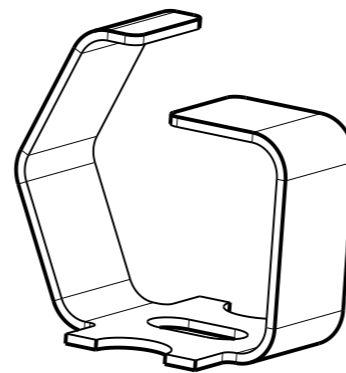
- NOTES:  
 1. QUANTITY OF COMPONENTS PER REEL = 1000.  
 2. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481 (ELECTRONICS INDUSTRIES ASSOCIATION).



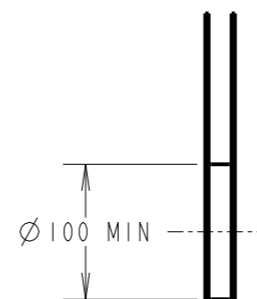
SECTION Y-Y



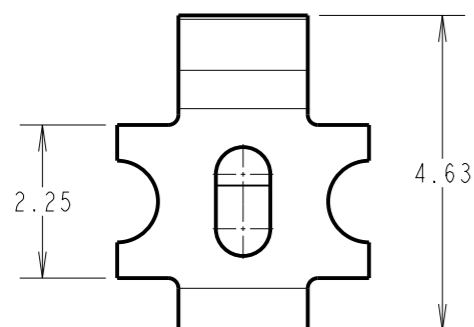
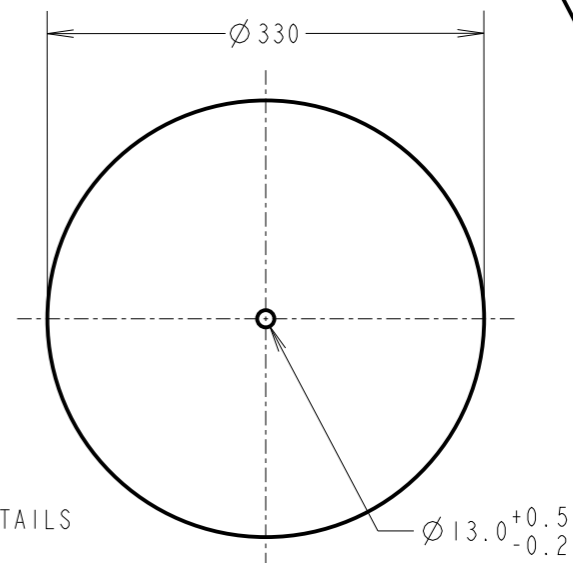
FINISHED REELING DIRECTION



COMPONENT DETAILS



REEL DETAILS



RTP	4	14.01.22	31314
NAME	ISS.	DATE	CN/CO
APPROVED:		R.PORTLOCK	
CHECKED:		M.RUDKIN	
DRAWN:		R.PORTLOCK	
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 =  $\pm 0.20$ mm  
 X.XXX =  $\pm 0.01$ mm  
 ANGLES =  $\pm 5^\circ$   
 UNLESS STATED

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

TITLE: MULTI-DIRECTIONAL SPRING CONTACT IN TAPE AND REEL

DRAWING NUMBER: S1971-46R  
 SHT 2 OF 3

# Customer Information Sheet

DRAWING No.: S1971-46R

IF IN DOUBT - ASK

©

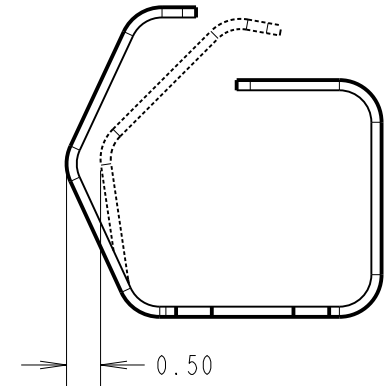
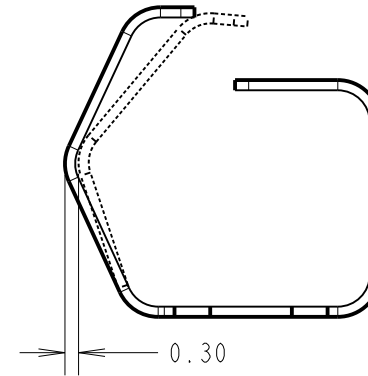
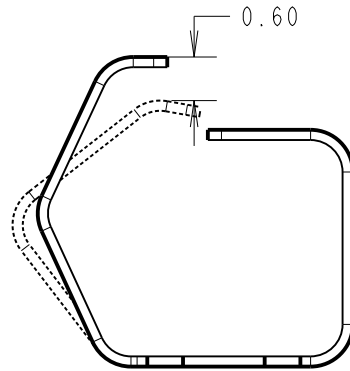
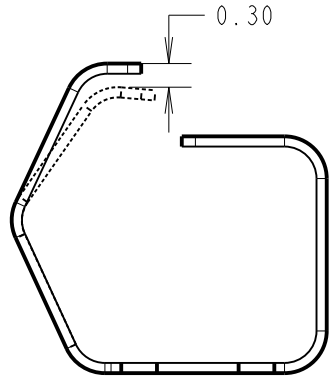
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**S1971-46R  
DEFLECTION FROM ABOVE**

**S1971-46R  
DEFLECTION FROM FRONT**



RECOMMENDED WORKING HEIGHT  
DEFLECTION = 0.30mm,  
MINIMUM FORCE OF 1.2N

RECOMMENDED MINIMUM HEIGHT  
DEFLECTION = 0.60mm

RECOMMENDED WORKING LENGTH  
DEFLECTION = 0.30mm

RECOMMENDED MINIMUM LENGTH  
DEFLECTION = 0.50mm

COMPONENT SPECIFICATION:  
MATERIAL = CUPRO NICKEL  
FINISH = 3µm 100% TIN OVER 2µm NICKEL  
ELECTRICAL:  
CURRENT RATING = 14A  
CONTACT RESISTANCE = 2mΩ MAX.  
MECHANICAL:  
DURABILITY = 5,000 CYCLES  
OPERATING TEMPERATURE: -55°C to +125°C

RTP	3	14.01.22	31314
NAME	ISS.	DATE	CN/CO
APPROVED:		R.PORTLOCK	
CHECKED:		M.RUDKIN	
DRAWN:		R.PORTLOCK	
CUSTOMER REF.:			
ASSEMBLY DRG:			

## HARWIN

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TOLERANCES  
X. = ±1mm  
X.X = ±0.50mm  
X.XX = ±0.20mm  
X.XXX = ±0.01mm  
ANGLES = ±5°  
UNLESS STATED

MATERIAL:  
SEE ABOVE  
FINISH: SEE ABOVE  
S/AREA: mm<sup>2</sup>

TITLE:  
MULTI-DIRECTIONAL SPRING CONTACT  
IN TAPE AND REEL

DRAWING NUMBER:  
**S1971-46R**

SHT  
3  
OF  
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