

Customer Information Sheet

DRAWING No.: S1971-46R

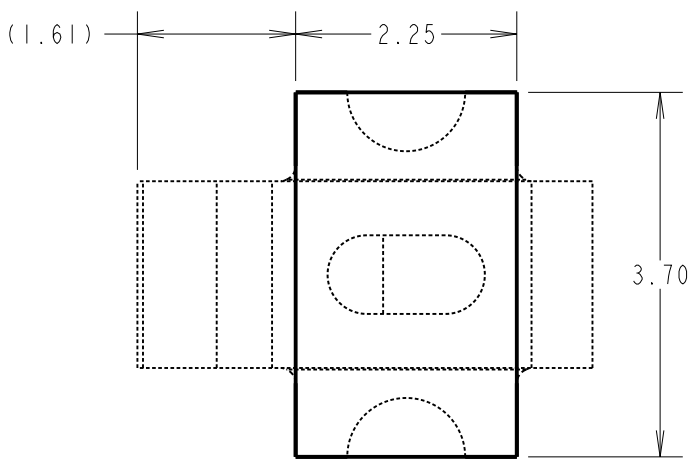
IF IN DOUBT - ASK

©

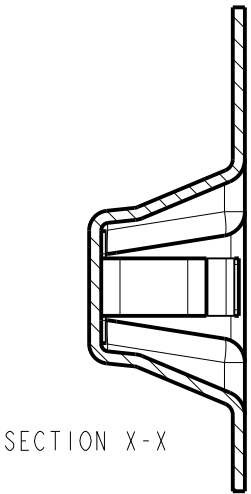
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

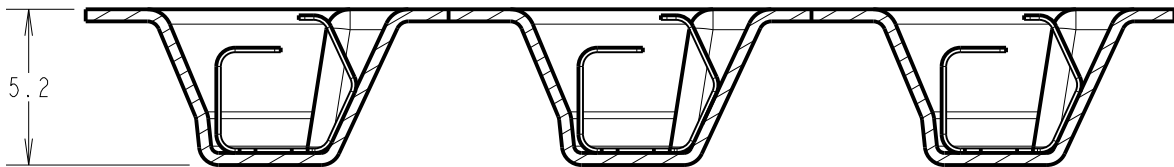
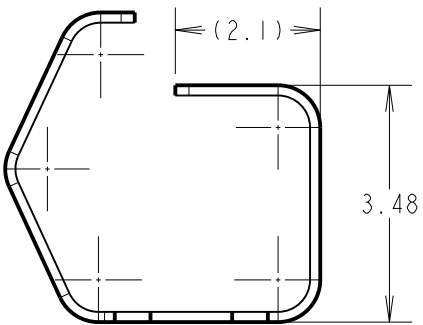
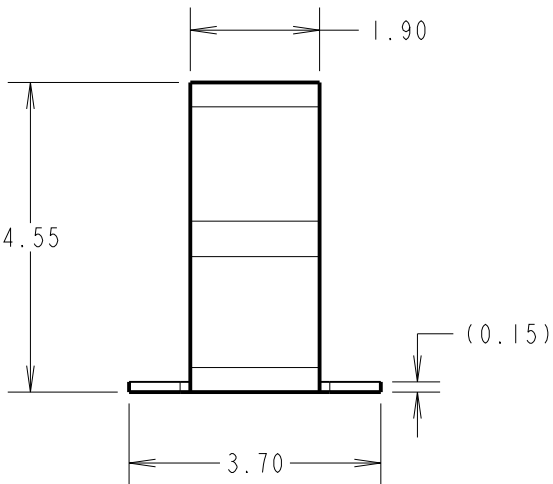
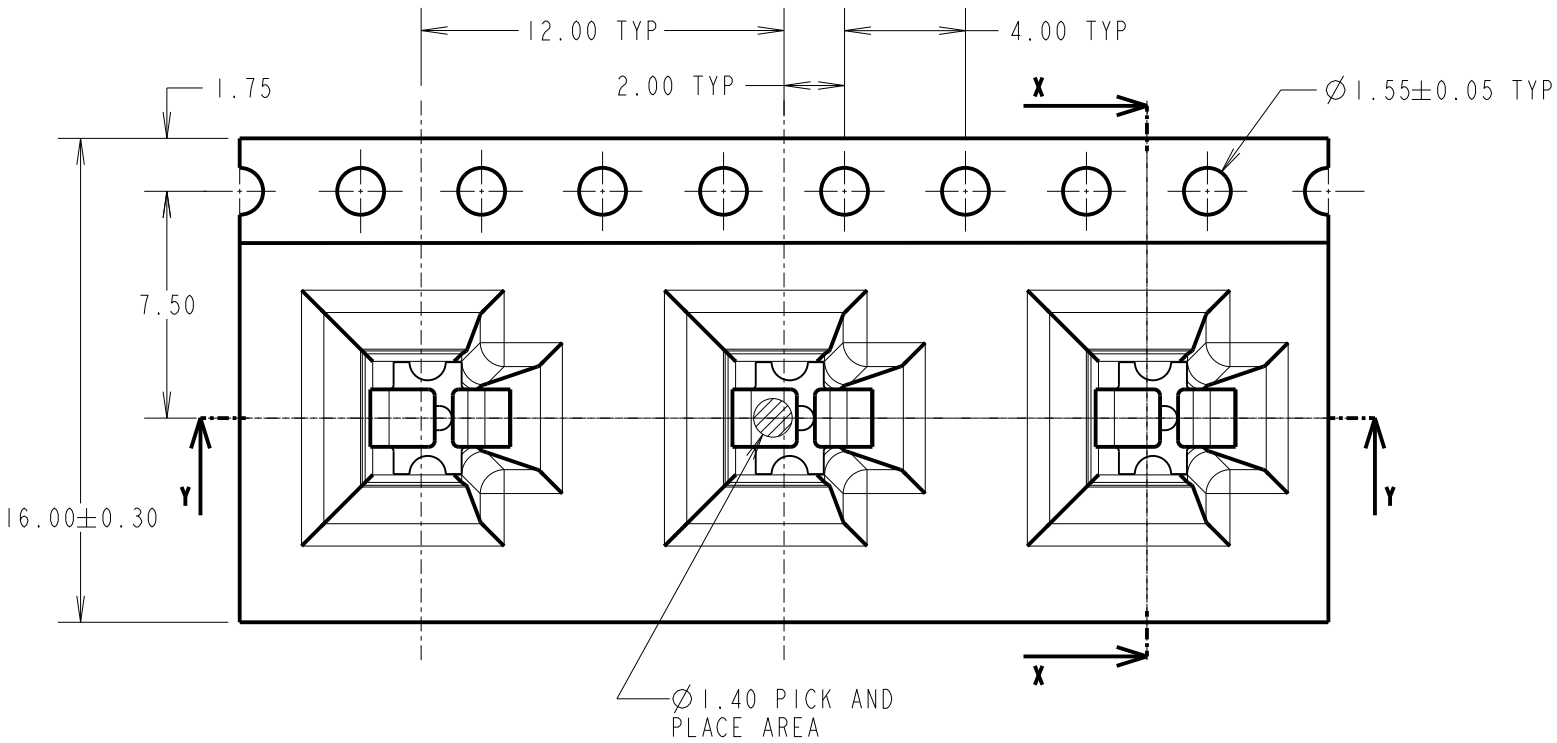


RECOMMENDED PCB PAD LAYOUT  
(TOLERANCES  $\pm 0.05$ )

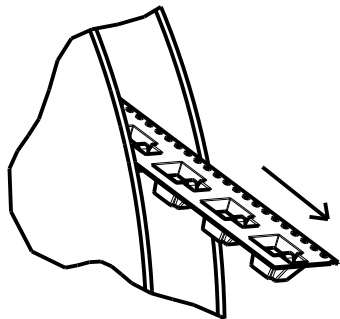


SECTION X-X

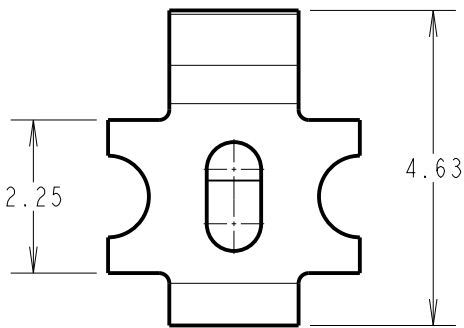
- NOTES:
1. QUANTITY OF COMPONENTS PER REEL = 1000.
  2. THIS PRODUCT IS TAPED AND REELED IN ACCORDANCE WITH EIA-481 (ELECTRONICS INDUSTRIES ASSOCIATION).



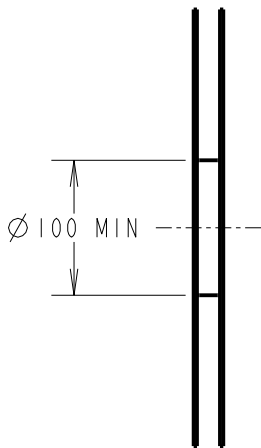
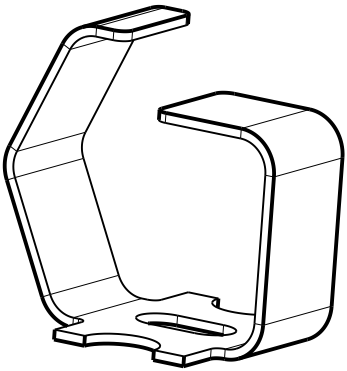
SECTION Y-Y



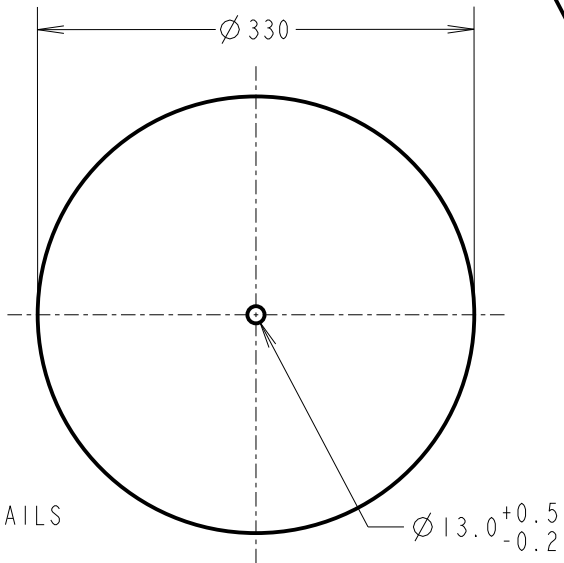
FINISHED REELING  
DIRECTION



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. =  $\pm 1\text{mm}$   
X.X =  $\pm 0.50\text{mm}$   
X.XX =  $\pm 0.20\text{mm}$   
X.XXX =  $\pm 0.01\text{mm}$   
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.: SI971-46R

IF IN DOUBT - ASK

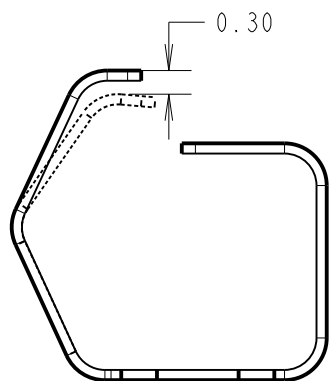
©

NOT TO SCALE

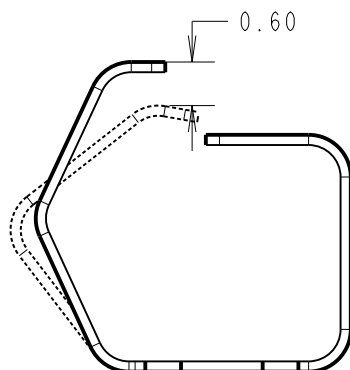
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

**SI971-46R  
DEFLECTION FROM ABOVE**

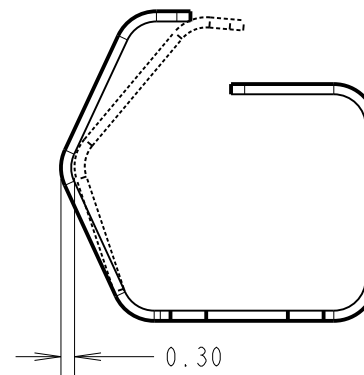


RECOMMENDED WORKING HEIGHT  
DEFLECTION = 0.30mm,  
MINIMUM FORCE OF 1.2N

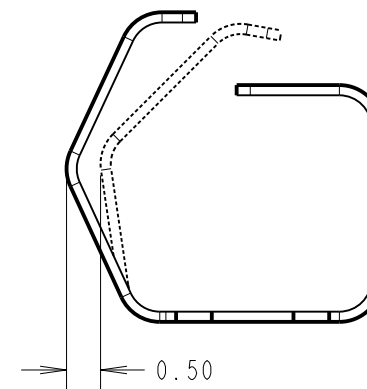


RECOMMENDED MINIMUM HEIGHT  
DEFLECTION = 0.60mm

**SI971-46R  
DEFLECTION FROM FRONT**



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:

**SI971-46R**

SHT  
3  
OF  
3

# Mouser Electronics

Authorized Distributor

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Harwin:

S1971-46R