

# Customer Information Sheet

DRAWING No.: M20-781XX45X

SHEET 3 OF 4

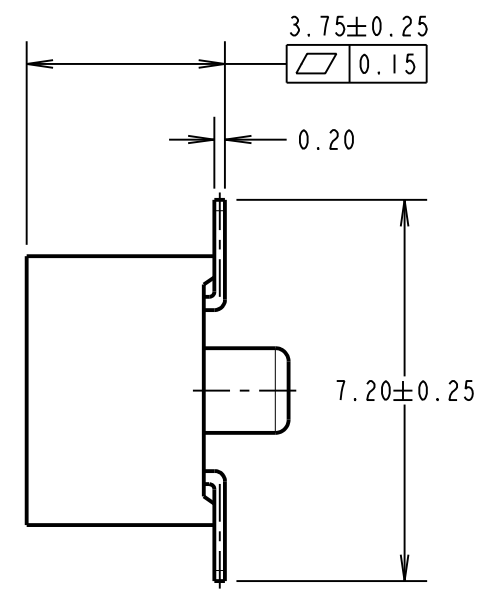
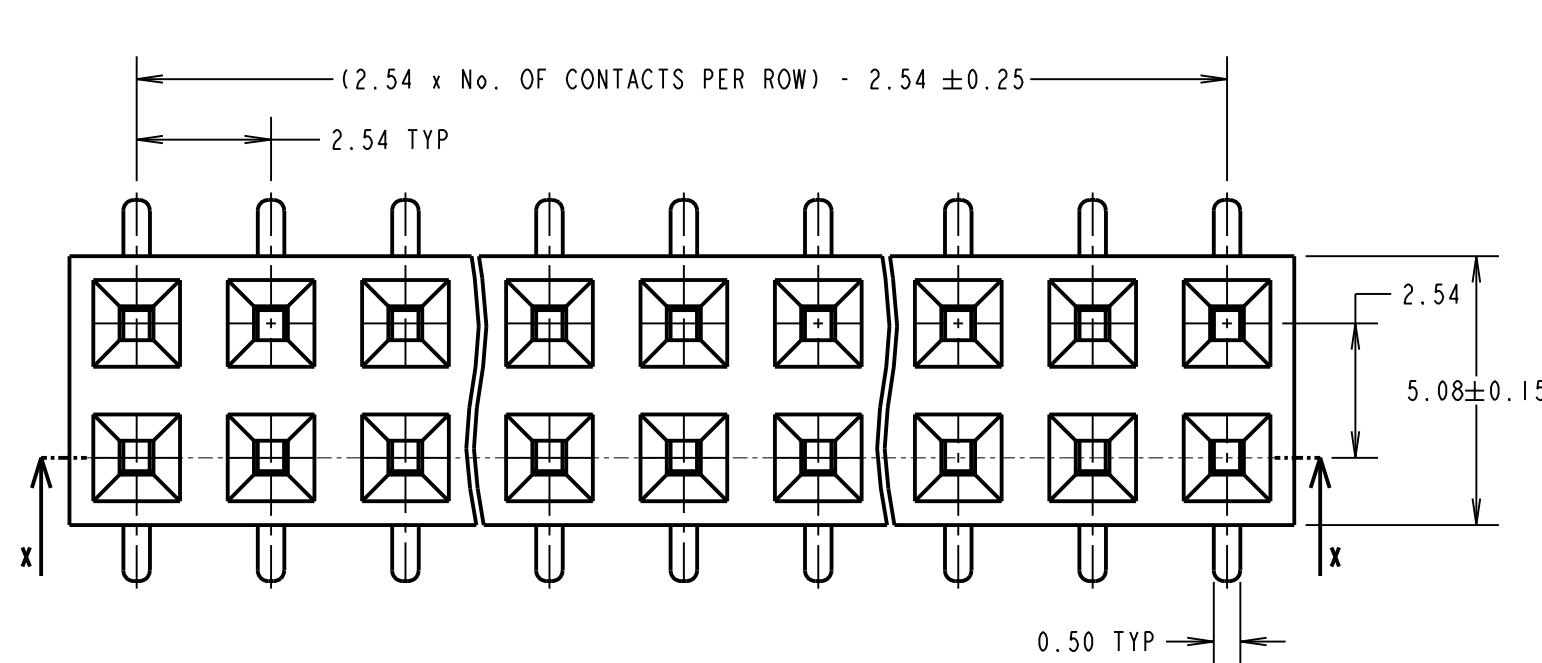
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



**SPECIFICATIONS:**

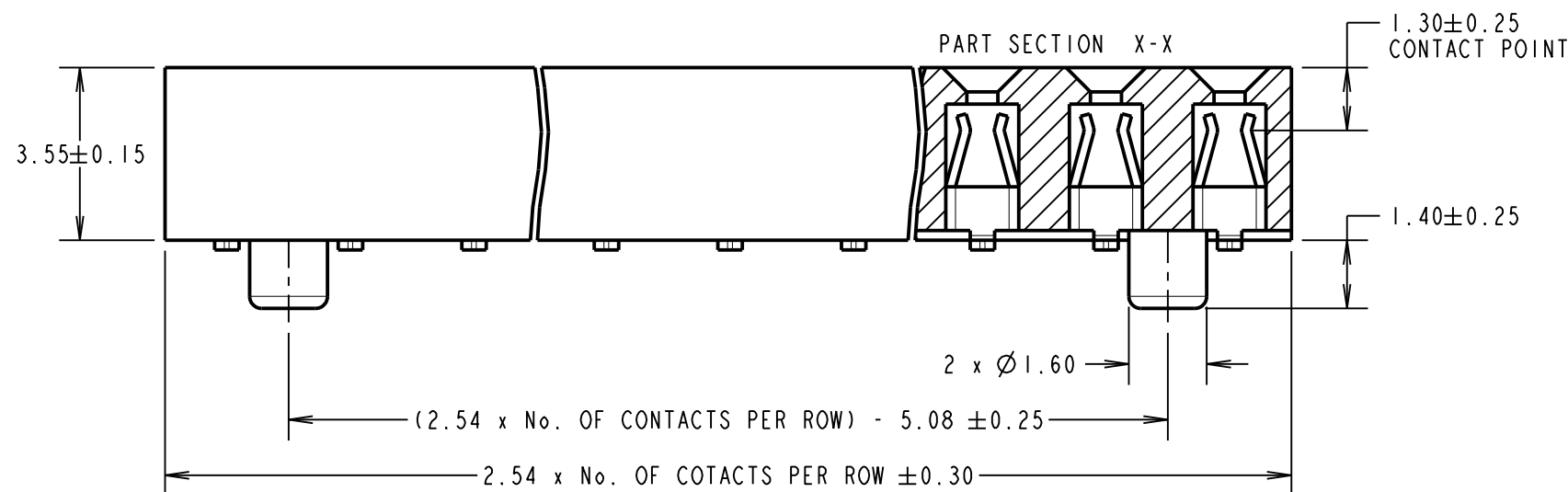
**MATERIAL:**  
 MOULD = GLASS FILLED PA9T, UL94V-0  
 CONTACTS = PHOSPHOR BRONZE  
**FINISH:**  
 0.015µ MIN GOLD OVER 0.76-2.03µ NICKEL  
**ELECTRICAL:**  
 CURRENT RATING = 3A  
 CONTACT RESISTANCE = 20mΩ MAX  
 INSULATION RESISTANCE = 1000MΩ MIN  
 VOLTAGE PROOF = 1000V AC FOR ONE MINUTE  
**MECHANICAL:**  
 INSERTION FORCE = 1.96N MAX PER CONTACT  
 WITHDRAWAL FORCE = 0.29N MIN PER CONTACT  
 DURABILITY = 300 CYCLES MIN  
**ENVIRONMENTAL:**  
 OPERATING TEMPERATURE = -40°C TO +105°C

ORDER CODE:

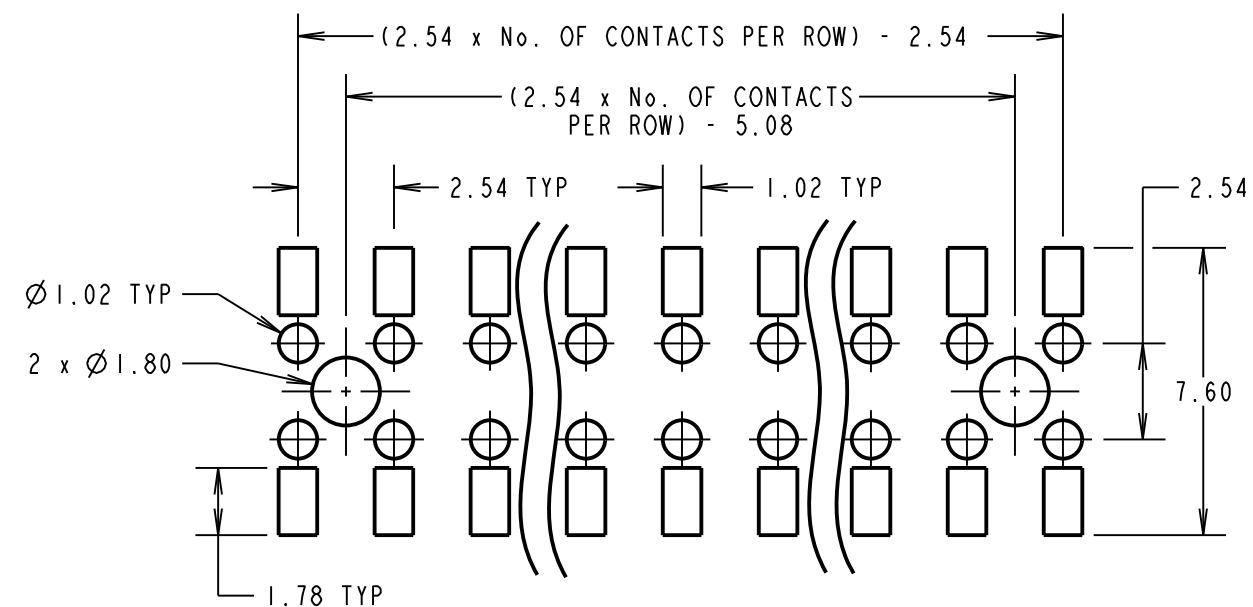
**M20-781XX45X**

No. OF CONTACTS PER ROW: \_\_\_\_\_  
 02-10, 12, 15 & 20

PACKING: \_\_\_\_\_  
 BLANK = TUBE  
 R = TAPE AND REEL (SHEET 4)

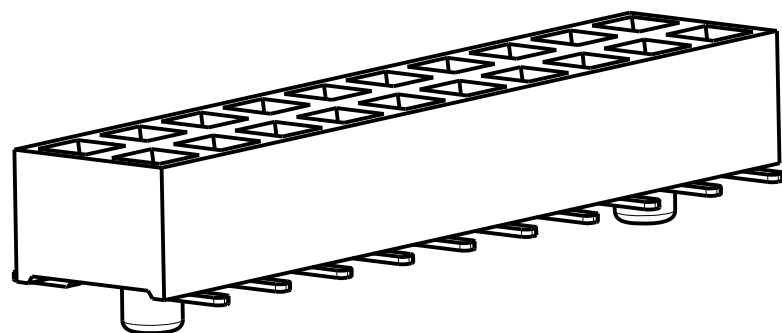


**RECOMMENDED PCB LAYOUT**  
 (TOLERANCE = ±0.05)



**NOTES:**

- CONTACT LEG VARIATION ON COMPLETE ASSEMBLY NOT TO EXCEED 0.10mm.
- FOR TAPE AND REEL DETAILS, SEE SHEET 4.



MSP	1	06.05.16	-----
NAME	ISS.	DATE	C/NOTE
APPROVED: M.PERREN			
CHECKED: S.BENNETT			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			

**HARWIN**

www.harwin.com  
 technical@harwin.com

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**TOLERANCES**  
 X. = ±1mm  
 X.X = ±0.50mm  
 X.XX = ±0.10mm  
 X.XXX = ±0.01mm  
 ANGLES = ±5°  
 UNLESS STATED

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

**TITLE:**  
 2.54mm PITCH DIL LOW PROFILE SMT SOCKET WITH PEGS

**DRAWING NUMBER:**  
**M20-781XX45X**

SHT  
 3 OF 4

# Customer Information Sheet

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SHEET 4 OF 4

IF IN DOUBT - ASK

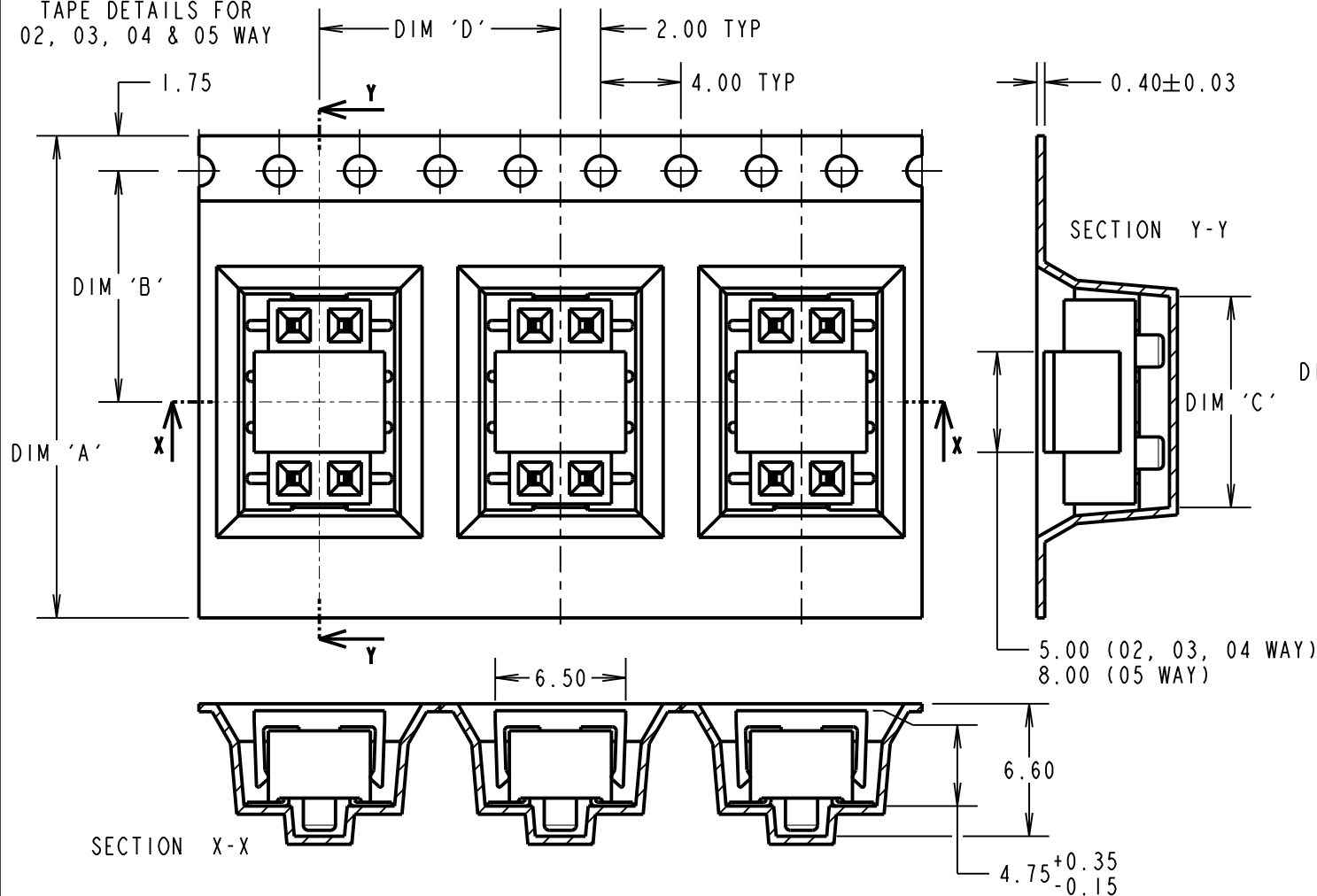
(C)

NOT TO SCALE

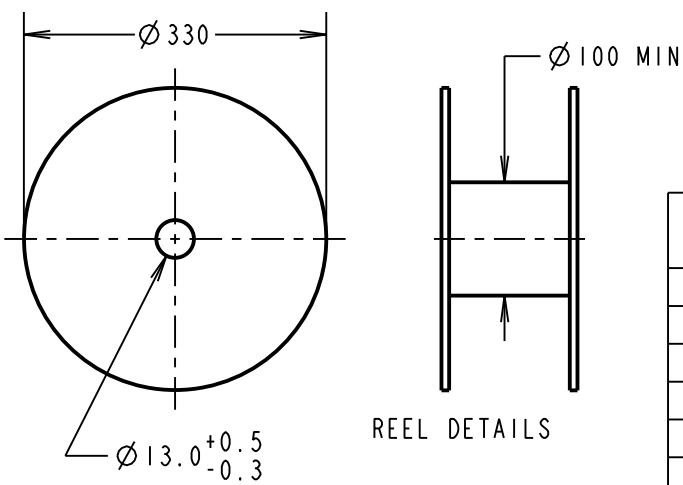
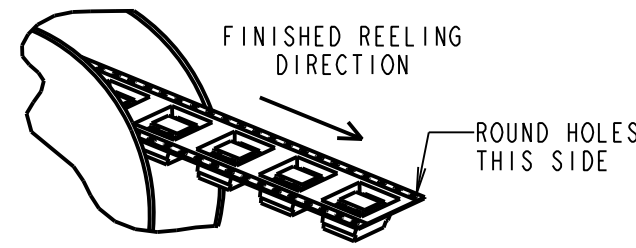
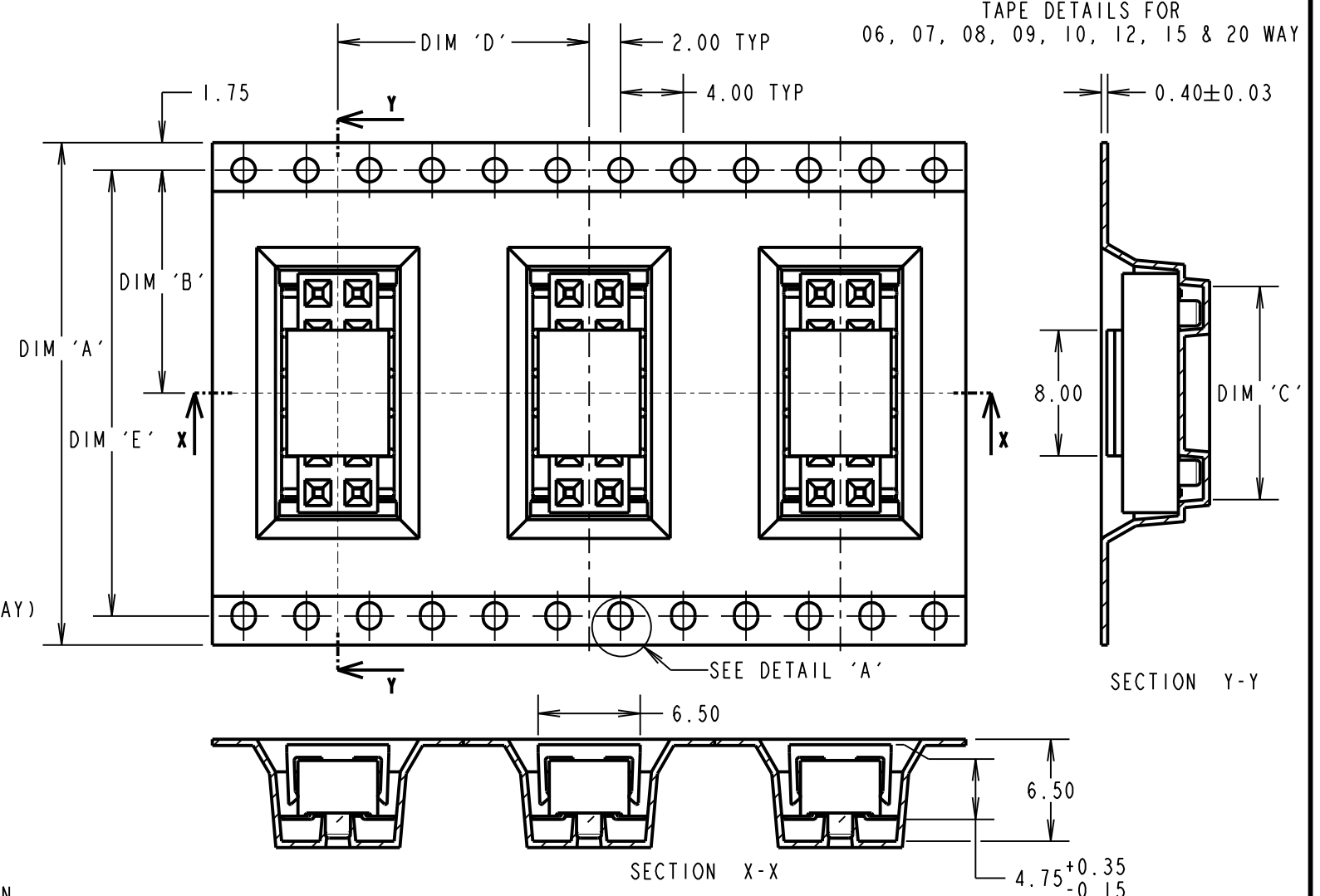
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

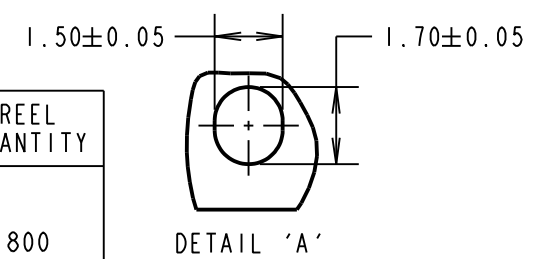
TAPE DETAILS FOR  
02, 03, 04 & 05 WAY



TAPE DETAILS FOR  
06, 07, 08, 09, 10, 12, 15 & 20 WAY



REEL DETAILS



DETAIL 'A'

ORDER CODE:  
**M20-781XX45X**

No. OF CONTACTS PER ROW: \_\_\_\_\_  
02-10, 12, 15 & 20

PACKING: \_\_\_\_\_  
BLANK = TUBE (SHEET 3)  
R = TAPE AND REEL

PART No.	DIMENSION					REEL QUANTITY
	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	
M20-7810245R	16.00±0.30	7.50±0.15	5.40	12.00	N/A	800
M20-7810345R			8.00			
M20-7810445R	24.00±0.30	11.50	10.50	16.00	28.50	600
M20-7810545R			13.00			
M20-7810645R	32.00±0.30	14.20±0.15	15.65	16.00	40.40	600
M20-7810745R			18.08			
M20-7810845R			20.60	16.00	52.40	600
M20-7810945R	44.00±0.30	20.20±0.15	23.35			
M20-7811045R			25.80	12.00	68.40	600
M20-7811245R	56.00±0.30	26.20±0.15	30.90			
M20-7811545R			38.50	16.00	68.40	600
M20-7812045R	72.00±0.30	34.20±0.15	51.20			

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APPROVED:		M.PERREN	
CHECKED:		S.BENNETT	
DRAWN:		M.PERREN	
CUSTOMER REF.:			
ASSEMBLY DRG:			

- NOTES:
- PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRICAL INDUSTRIES ASSOCIATION).
  - CONTACT LEG VARIATION ON COMPLETE ASSEMBLY NOT TO EXCEED 0.10mm.
  - FOR CONNECTOR DETAILS AND SPECIFICATIONS, SEE SHEET 3.

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MATERIAL:  
SEE ABOVE

FINISH: SEE ABOVE

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

TITLE:  
2.54mm PITCH DIL LOW PROFILE SMT SOCKET WITH PEGS

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SHT 4 OF 4

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