

Customer Information Sheet

DRAWING No.: M20-877XXXXR

SHEET 3 OF 4

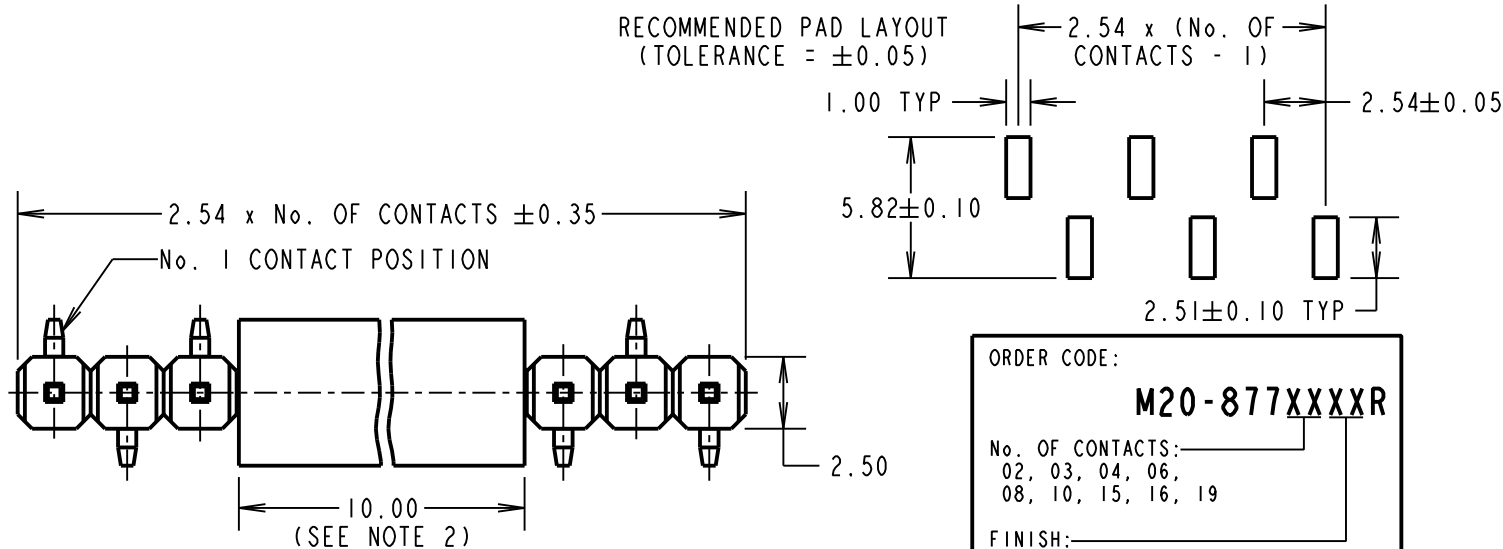
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

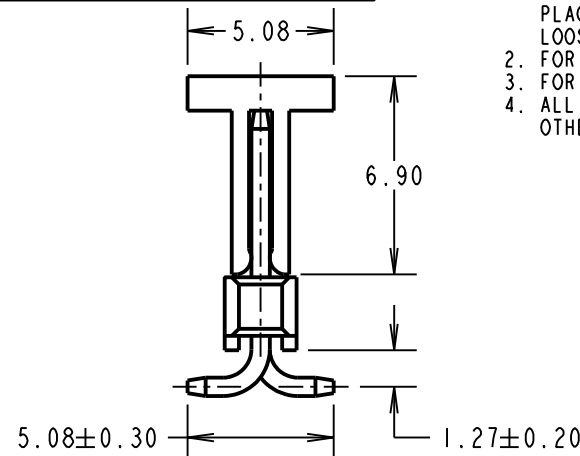
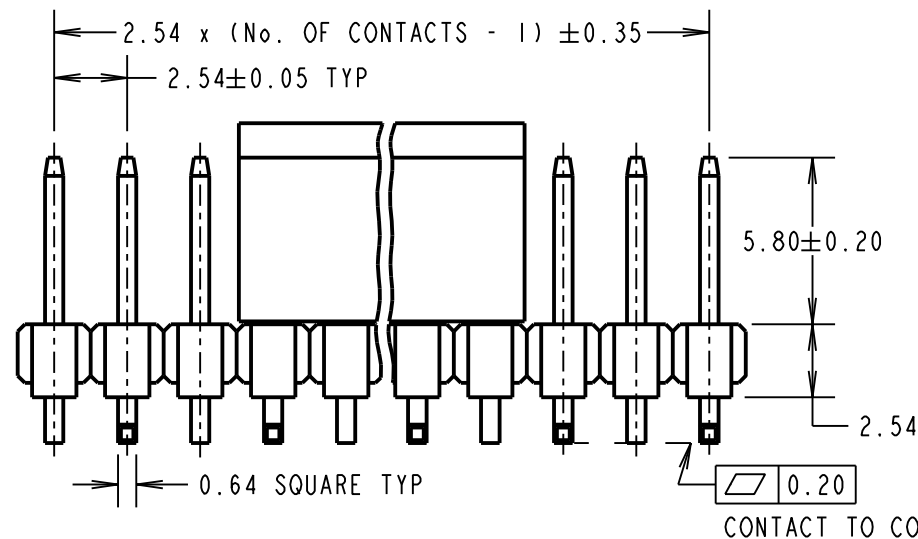
M20-877XXXXR

No. OF CONTACTS:

02, 03, 04, 06,
08, 10, 15, 16, 19

FINISH:

42 = SELECTIVE GOLD + 100% TIN
46 = 100% TIN



SPECIFICATION:

MATERIAL:

MOULDING = PA6T UL94V-0, BLACK

CONTACT = BRASS

FINISH (OVER NICKEL):

42 = SELECTIVE GOLD ON CONTACT AREA,
100% TIN ON TAILS

46 = 100% TIN

ELECTRICAL:

CURRENT RATING = 3A MAX

CONTACT RESISTANCE = 30m Ω MAX (TIN),
25m Ω MAX (GOLD)

INSULATION RESISTANCE = 1,000M Ω MIN

DIELECTRIC STRENGTH = 750V AC/DC

MECHANICAL:

DURABILITY = 50 OPERATIONS (TIN),
300 OPERATIONS (GOLD)

ENVIRONMENTAL:

TEMPERATURE RANGE = -40°C TO +105°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C001XX (LATEST ISSUE)

NOTES:

- SEE DRAWING M20-877XXXXP FOR PICK AND PLACE TUBE OPTION, M20-877XXXX FOR LOOSE OPTION.
- FOR 4 WAYS AND LESS, CAP LENGTH = 6.00mm.
- FOR REELING DETAILS SEE SHEET 4.
- ALL TOLERANCES ARE ± 0.15 mm UNLESS OTHERWISE STATED.

SB	19	01.12.17	20948
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: J. KEIR			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY
INFORMATION OR DESCRIPTIVE
MATTER SET OUT HEREON ARE
CONFIDENTIAL AND COPYRIGHT
PROPERTY OF THE HARWIN
GROUP AND MUST NOT BE
DISCLOSED, LOANED, COPIED
OR USED FOR MANUFACTURING,
TENDERING OR FOR ANY
OTHER PURPOSE WITHOUT
THEIR WRITTEN PERMISSION.

TOLERANCES

X = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.10 mm
X.XXX = ± 0.01 mm

ANGLES = $\pm 5^\circ$

UNLESS STATED

MATERIAL:

SEE TABLE

FINISH: SEE TABLE

S/AREA:

mm²

TITLE: 2.54mm PITCH SIL
SMT VERTICAL PIN HEADER WITH
P/PLACE, TAPE & REEL (L/HAND)

DRAWING NUMBER:

M20-877XXXXR

SHT
3
OF 4

Customer Information Sheet

DRAWING No.: M20-877XXXXR

SHEET 4 OF 4

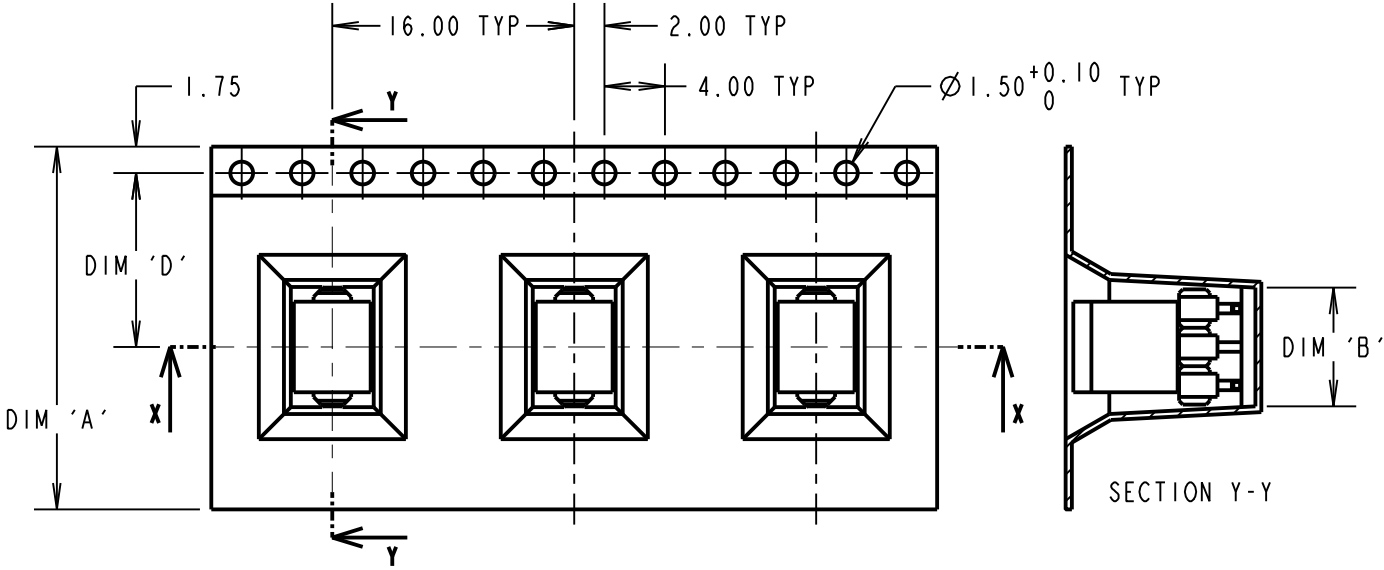
IF IN DOUBT - ASK

C

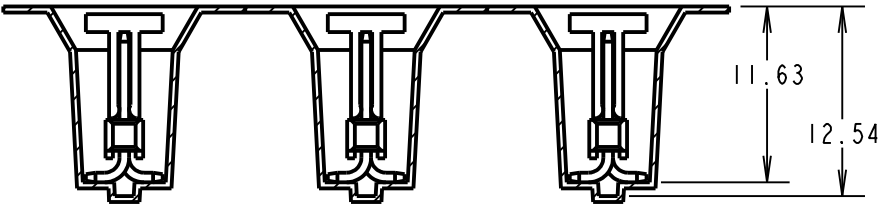
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

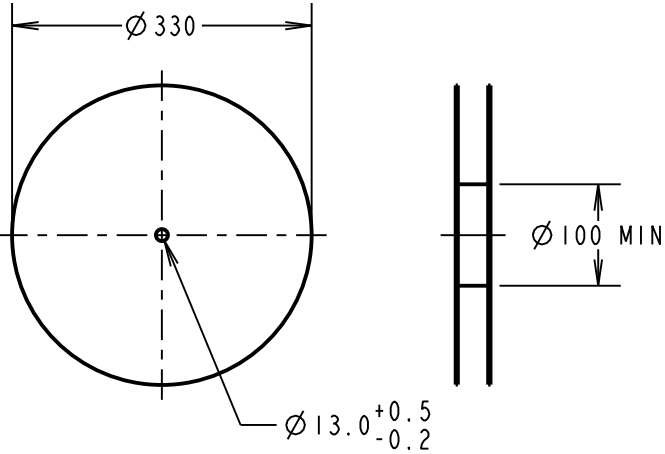


SECTION X-X

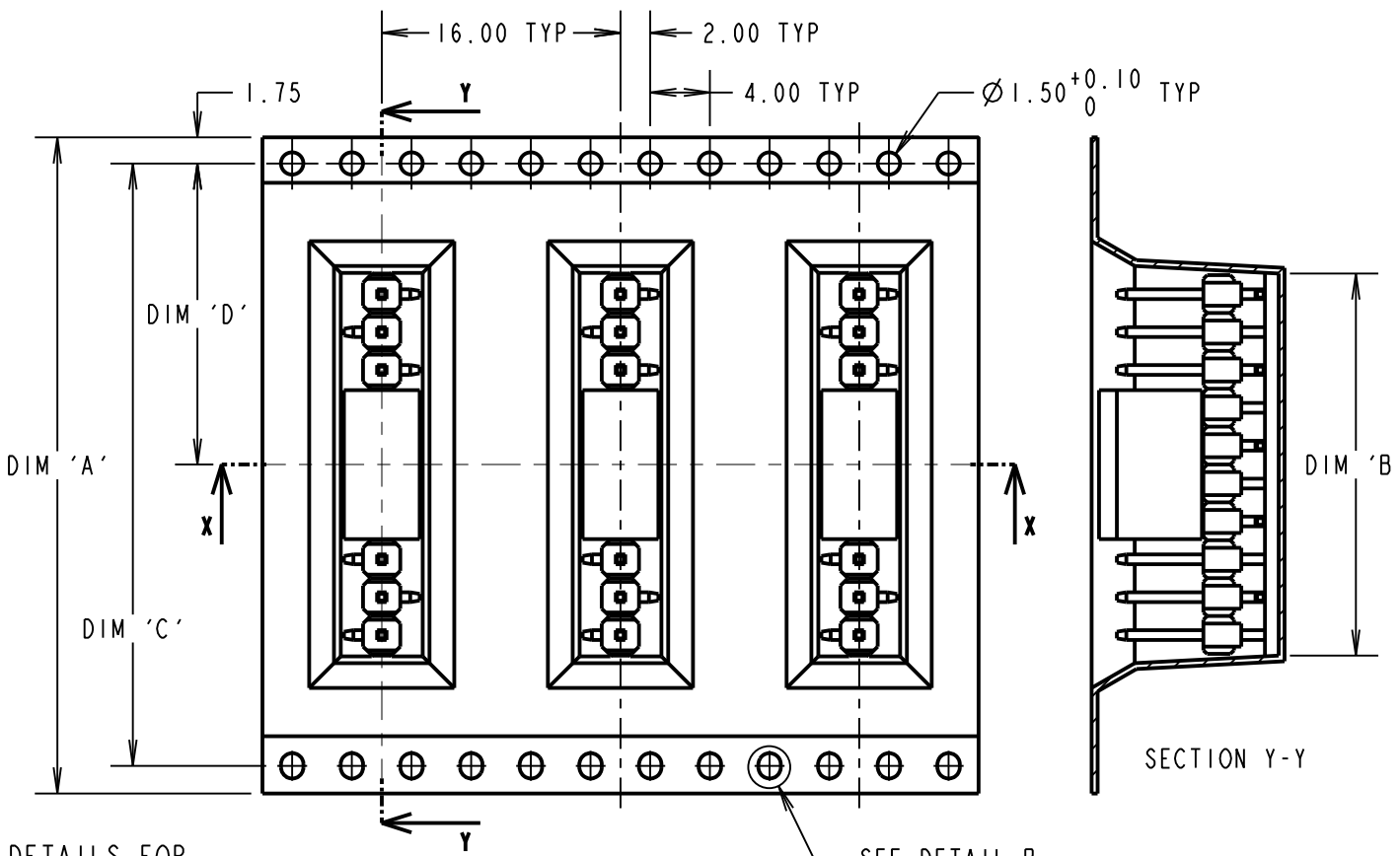


TAPE DETAILS FOR 02 & 03 CONTACTS

REEL DETAILS

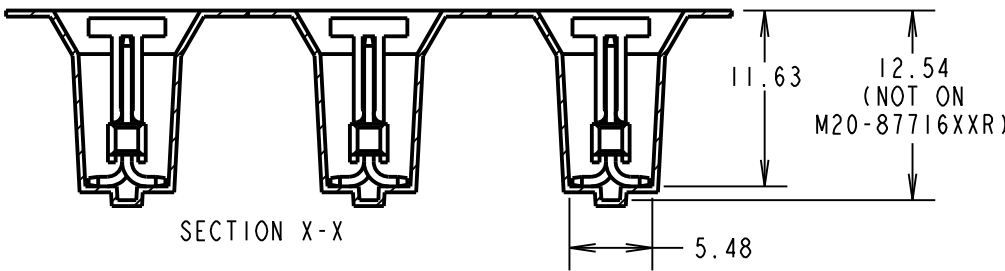


HARWIN PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'
M20-87702XXR	24.00±0.30	5.31	-	11.50
M20-87703XXR		7.85	-	11.50
M20-87704XXR	32.00±0.30	10.39	28.40	14.20
M20-87706XXR		15.47		
M20-87708XXR	44.00±0.30	20.55	40.40	20.20±0.15
M20-87710XXR		25.63		
M20-87715XXR	56.00±0.30	43.57	52.40	26.20±0.15
M20-87716XXR	72.00±0.30	40.90	68.40	34.20±0.30
M20-87719XXR		53.73		

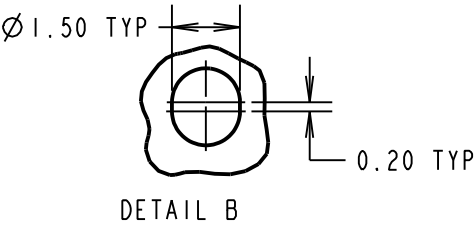


SEE DETAIL B

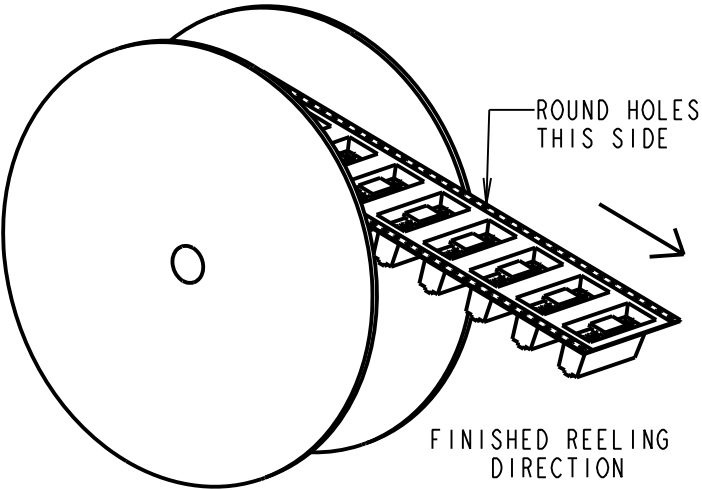
TAPE DETAILS FOR 04, 06, 08, 10, 15, 16 & 19 CONTACTS



SECTION X-X



DETAIL B



- NOTES:
1. QUANTITY PER REEL = 450.
 2. FOR CONNECTOR DIMENSIONS, SEE SHEET 3.
 3. TAPE AND REELING IS IN GENERAL ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481.

SB	19	01.12.17	20498
NAME	ISS.	DATE	C/NOTE
APPROVED: S.BENNETT			
CHECKED: S.FLOWER			
DRAWN: J. KEIR			
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

www.harwin.com
technical@harwin.com

THIS DRAWING AND ANY INFORMATION OR DESCRIPTIVE MATTER SET OUT HEREON ARE CONFIDENTIAL AND COPYRIGHT PROPERTY OF THE HARWIN GROUP AND MUST NOT BE DISCLOSED, LOANED, COPIED OR USED FOR MANUFACTURING, TENDERING OR FOR ANY OTHER PURPOSE WITHOUT THEIR WRITTEN PERMISSION.

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: mm²

TITLE: 2.54mm PITCH SIL SMT VERTICAL PIN HEADER WITH P/PLACE, TAPE & REEL (L/HAND)
DRAWING NUMBER: M20-877XXXXR
SHT 4 OF 4