

Customer Information Sheet

DRAWING No.: M20-877XXXXR

SHEET 3 OF 4

IF IN DOUBT - ASK

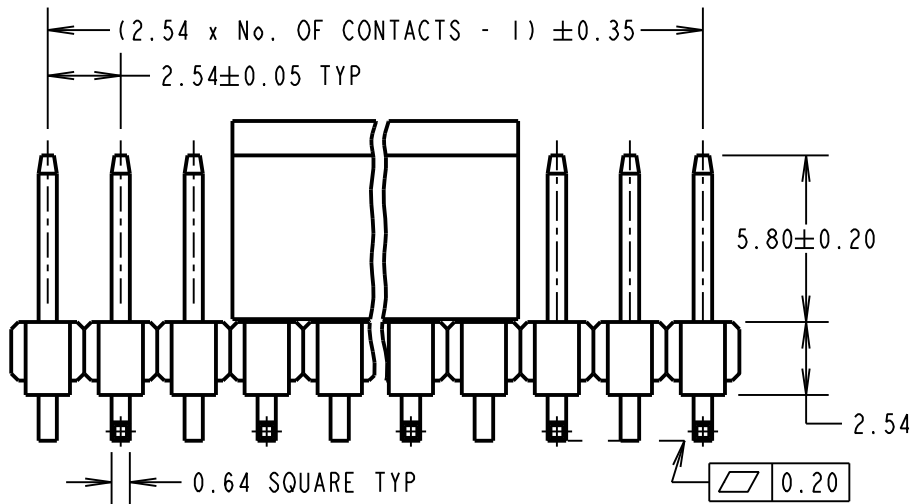
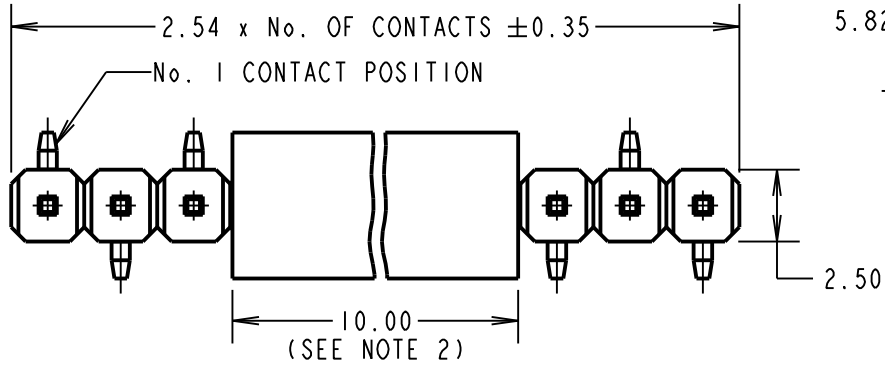
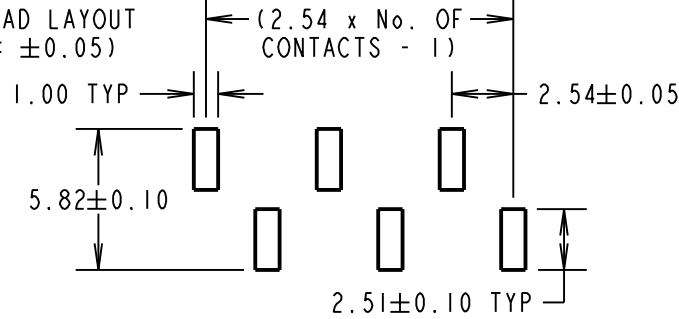
©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

RECOMMENDED PAD LAYOUT
(TOLERANCE = ± 0.05)



CONTACT TO CONTACT

ORDER CODE:

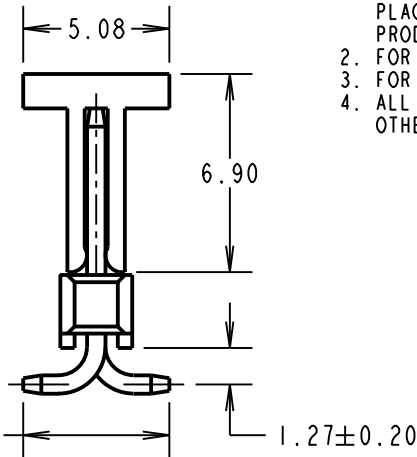
M20-877XXXXR

No. OF CONTACTS:

02, 03, 04, 06,
08, 10, 15, 19, 28

FINISH:

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



SPECIFICATION:

MATERIAL:

MOULDING = NYLON 6T UL94V-0, BLACK
CONTACT = BRASS

FINISH:

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

46 = 100% TIN

ELECTRICAL:

CURRENT RATING = 3A MAX

CONTACT RESISTANCE = 30 mΩ MAX (TIN),
25 mΩ MAX (GOLD)

INSULATION RESISTANCE = 1,000MΩ 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 VERSION, M20-877XXXX FOR STANDARD PRODUCT.
- 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	17	05.03.15	12764
NAME	ISS.	DATE	C/NOTE
APPROVED:		S.BENNETT	
CHECKED:		M.PLESTED	
DRAWN:		J. KEIR	
CUSTOMER REF.:			
ASSEMBLY DRG:			

HARWIN

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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 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

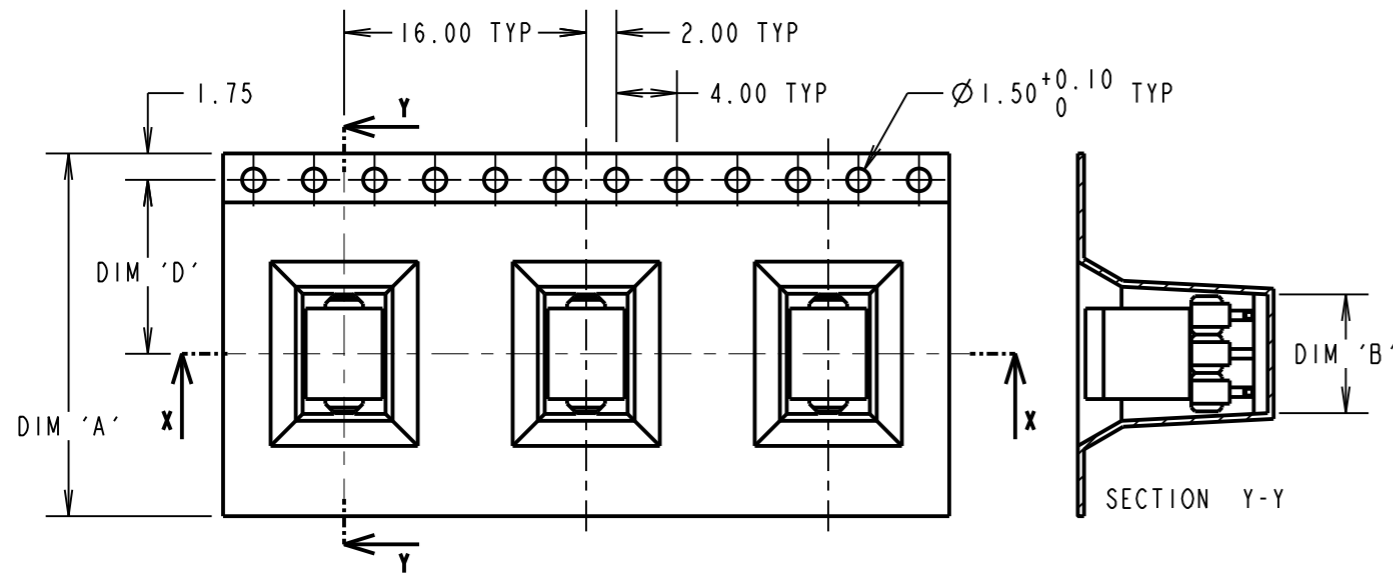
IF IN DOUBT - ASK

©

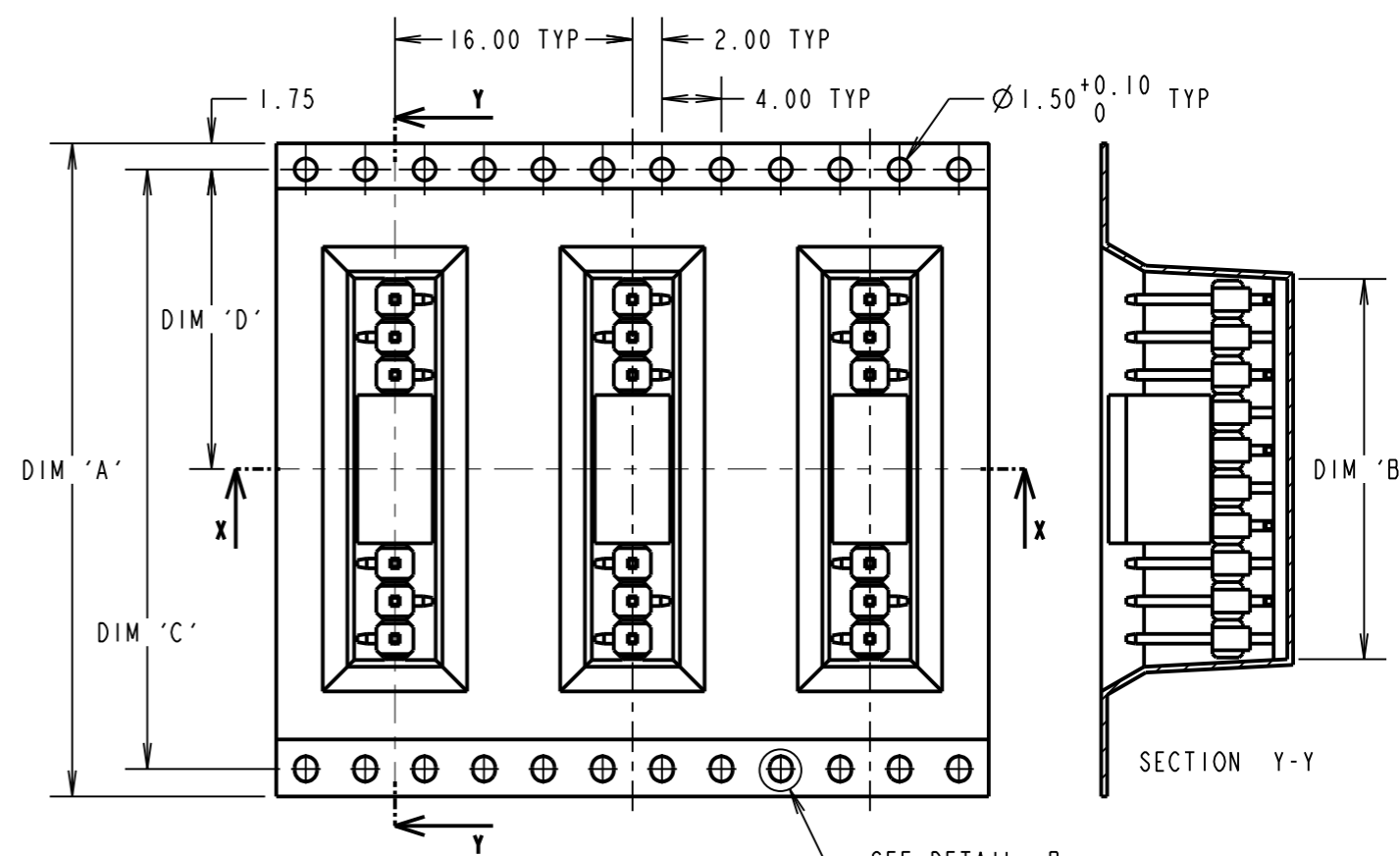
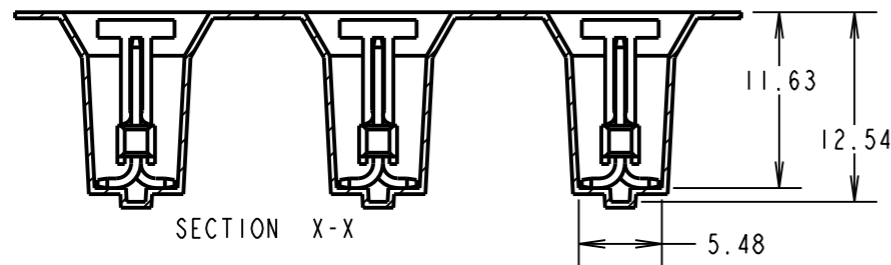
NOT TO SCALE

THIRD ANGLE PROJECTION

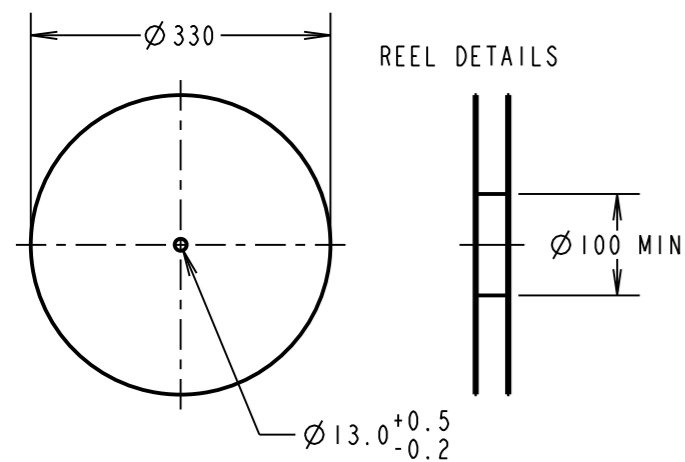
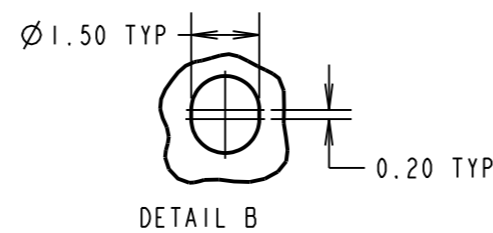
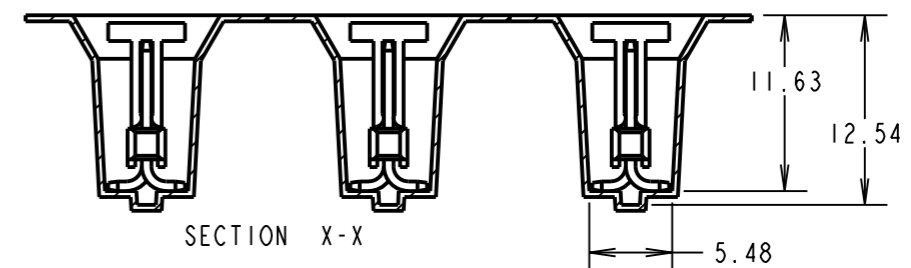
ALL DIMENSIONS IN mm



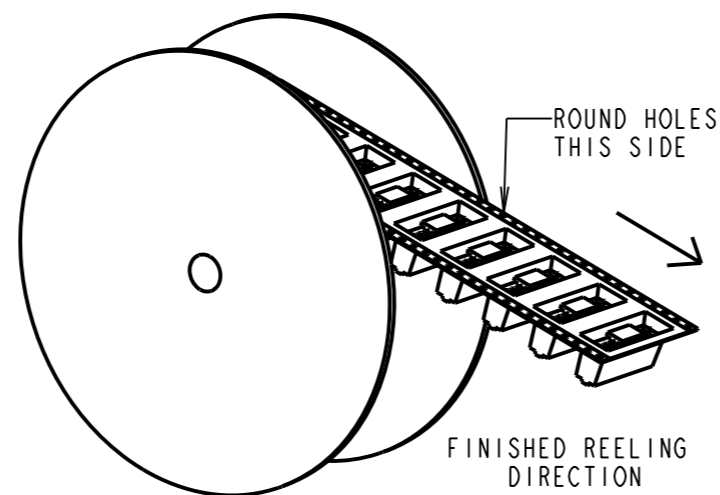
TAPE DETAILS FOR 02 & 03 WAY



TAPE DETAILS FOR 04,06,08,10,15,19 & 28 WAY



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
M20-87719XXR	72.00±0.30	53.73	68.40	34.20±0.30
M20-87728XXR	88.00±0.30	76.59	84.40	42.20±0.30

NOTES:

1. QUANTITY PER REEL = 02 TO 19 WAYS = 450 PIECES, 28 WAYS = 300 PIECES.
2. FOR CONNECTOR DIMENSIONS, SEE SHEET 3.
3. TAPE AND REELING IS IN GENERAL ACCORDANCE WITH ELECTRONIC INDUSTRIES ASSOCIATION EIA-481.

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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: 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