Customer Information Sheet

(2.54 x No. OF CONTACTS PER ROW) + 0.25 ±0.40

2.50±0.15

8.50±0.15

PART SECTION X-X

0.64 TYP

2.54 TYP

(2.54 x No. OF CONTACTS PER ROW) - 2.54±0.20

RECOMMENDED PCB LAYOUT
(TOLERANCE: ±0.05)

(2.54 x No. OF CONTACTS) - 2.54

2.54 TYP

2.00

1.02 TYP

6.60±0.25

2.50±0.25
CONTACT POINT

3.40±0.25

0.85±0.25

0.40

0.15

**COMPONENT SPECIFICATIONS:**
MATERIAL:
  MOULD = GLASS FILLED PA9T, UL94V-0
  CONTACTS = PHOSPHOR BRONZE
FINISH:
  0.76-2.03µm NICKEL ALL OVER,
  0.015µm MIN GOLD ON CONTACT,
  2.03-5.08µm TIN ON TAILS.
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 = 0.19N MIN PER CONTACT
  DURABILITY = 300 CYCLES MIN
ENVIRONMENTAL:
  OPERATING TEMPERATURE = -40°C TO +105°C
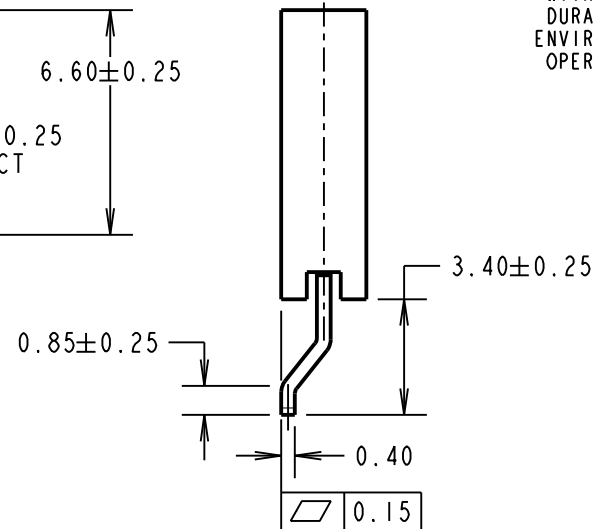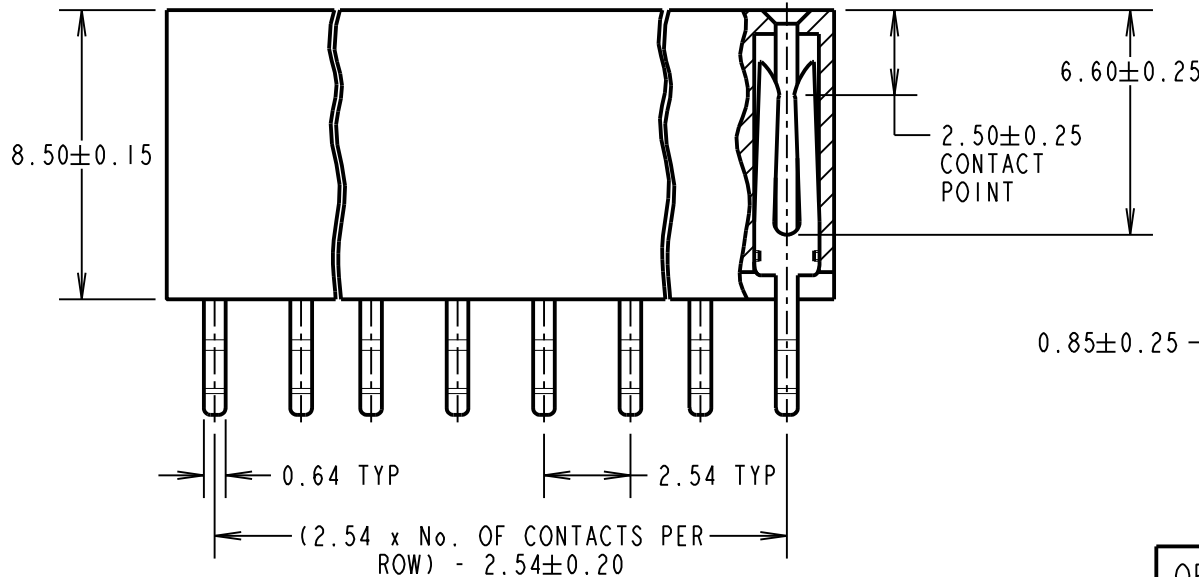
NOTES:
1. FOR TAPE AND REEL DETAILS SEE SHEET 4.

	MGP	2	28.01.19	21764
NAME	ISS.		DATE	C/NOTE
APPROVED:	MGP			
CHECKED:	SB			
DRAWN:	M.PERREN			
CUSTOMER REF.:				
ASSEMBLY DRG:				

ORDER CODE:

M20-791XX42R

No. OF CONTACTS PER ROW:
02-06, 08, 10

HARWiN

www.harwin.com
technical@harwin.com

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 SOCKET SIL
HORIZONTAL SMT TAPE & REEL

DRAWING NUMBER:
M20-791XX42R

SHT 3 OF 4

Customer Information Sheet

TAPE DETAILS FOR
02, 03, 04, 05 & 06 WAYS ONLY

16.00 TYP
2.00 TYP
4.00 TYP
Ø1.50 TYP
0.40±0.03
1.75

DIM 'B'
DIM 'C'
DIM 'A'

SECTION Y-Y

SECTION X-X
2.90
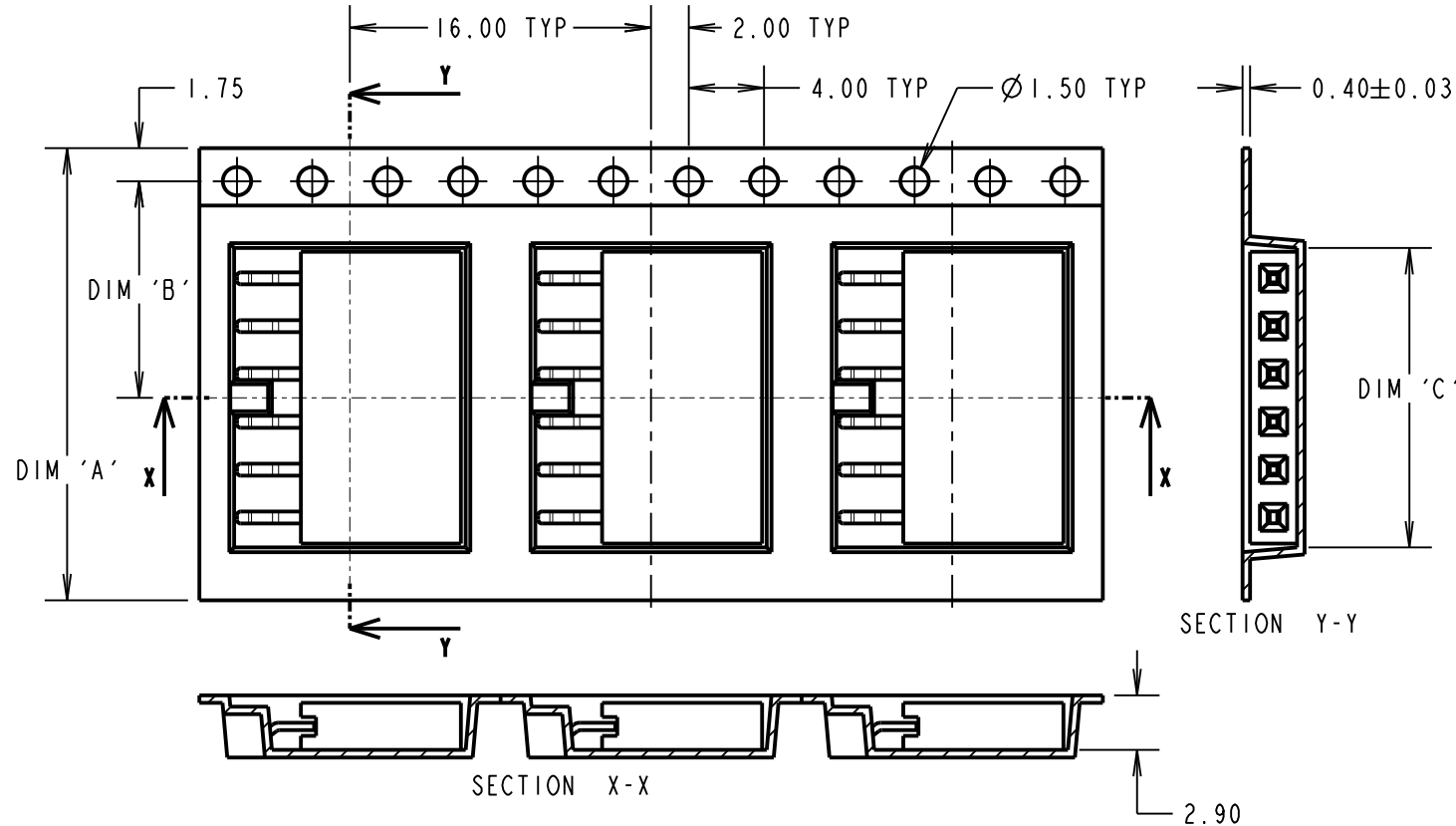
TAPE DETAILS FOR
08 & 10 WAYS ONLY

16.00 TYP
2.00 TYP
4.00 TYP
Ø1.50 TYP
0.40±0.03
1.75

DIM 'B'
DIM 'A'
DIM 'D'
DIM 'C'

SEE DETAIL 'A'

SECTION Y-Y

SECTION X-X
2.90

REEL DETAILS

Ø300
Ø100 MIN
Ø13.0 +0.5 -0.3
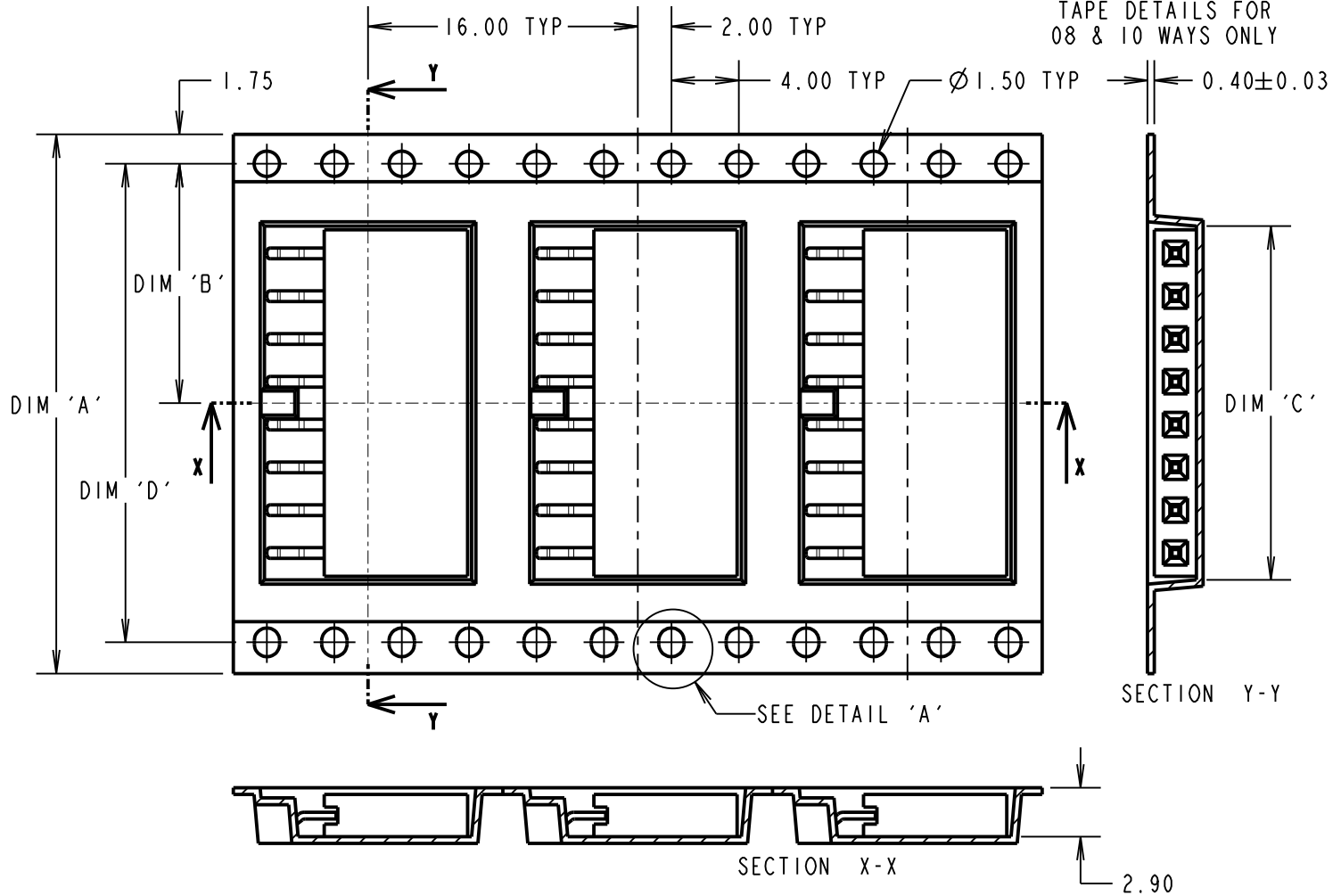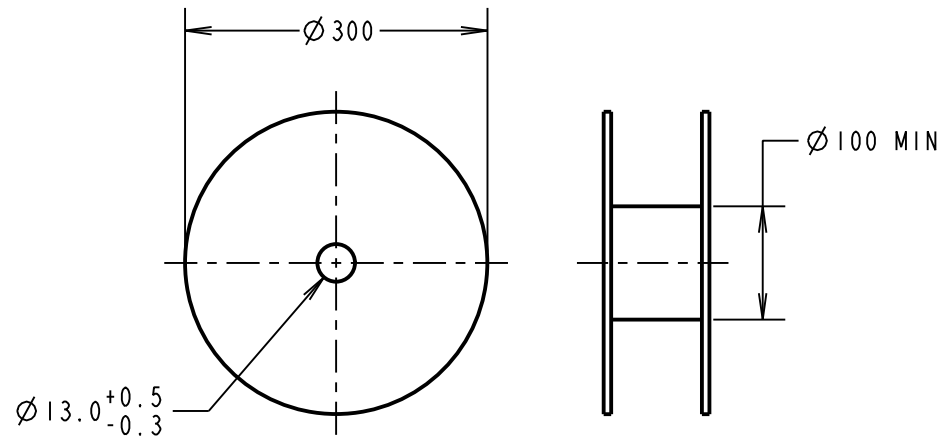
TAPE DETAILS FOR ORIENTATION OF
02 WAY ONLY
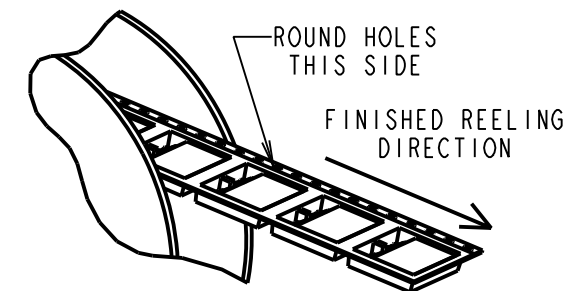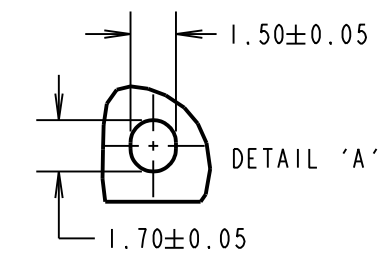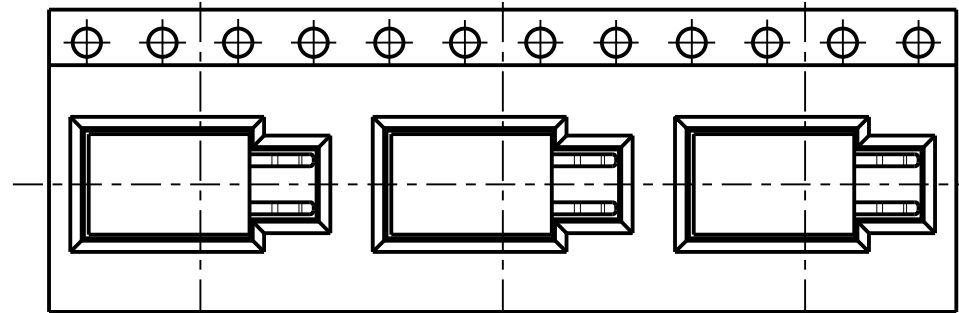
1.50±0.05
DETAIL 'A'
1.70±0.05

ROUND HOLES
THIS SIDE

FINISHED REELING
DIRECTION

PART No.	DIMENSION				REEL QUANTITY
	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	
M20-7910242R	16.00±0.30	7.50	5.70	N/A	1300
M20-7910342R			8.30		
M20-7910442R			10.80		
M20-7910542R	24.00±0.30	11.50	13.20		
M20-7910642R			15.90		
M20-7910842R	32.00±0.30	14.20	21.00	28.40	
M20-7911042R	44.00±0.30	20.20	26.05	40.40	

ORDER CODE:

M20-791XX42R

No. OF CONTACTS PER ROW:
02-06, 08, 10

NOTES:
1. PRODUCT TO BE TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).
2. FOR CONNECTOR DETAILS AND SPECIFICATIONS, SEE SHEET 3.

HARWIN
www.harwin.com
technical@harwin.com

MGP	2	28.01.19	21764
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ANGLES = ±5°
UNLESS STATED

MATERIAL:
SEE SHEET 3

FINISH:
SEE SHEET 3

S/AREA:
mm²

TITLE:
2.54mm SOCKET SIL
HORIZONTAL SMT TAPE & REEL

DRAWING NUMBER:
M20-791XX42R

SHT 4 OF 4