

Customer Information Sheet

DRAWING No.: M55-70XXX42R

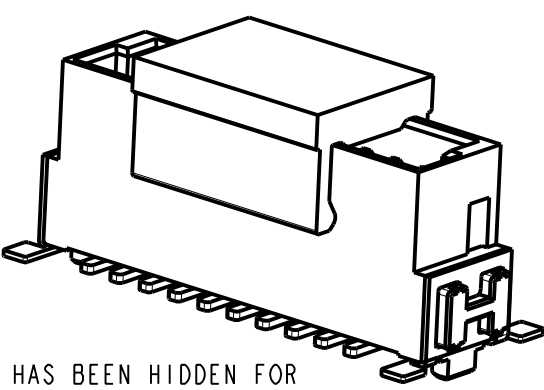
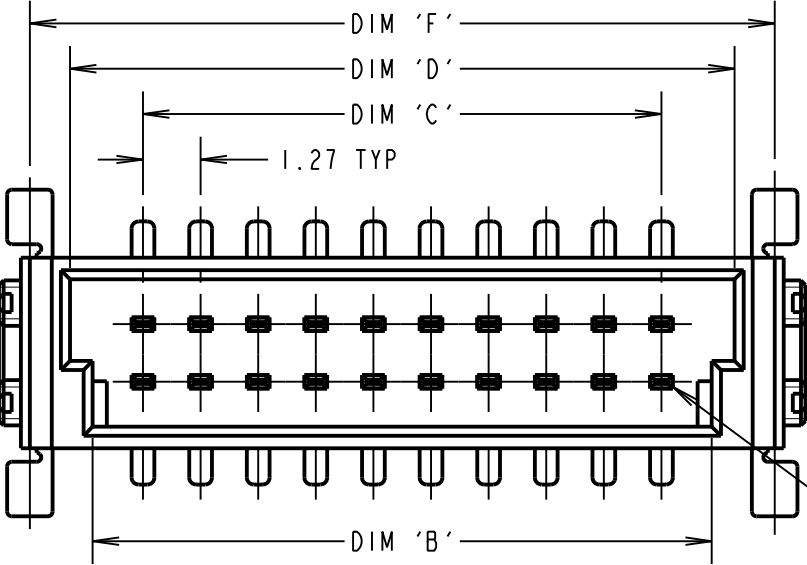
IF IN DOUBT - ASK

©

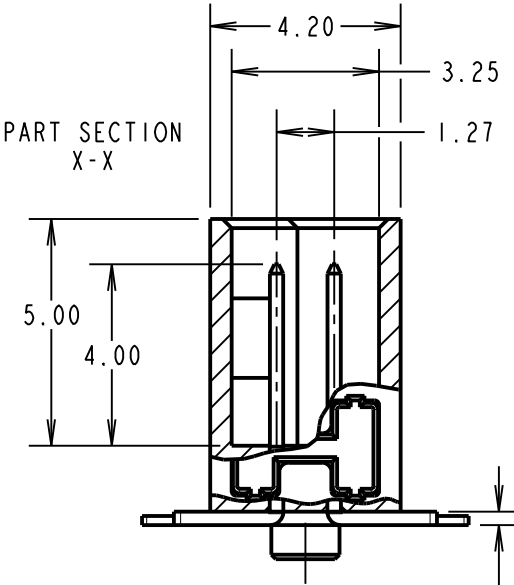
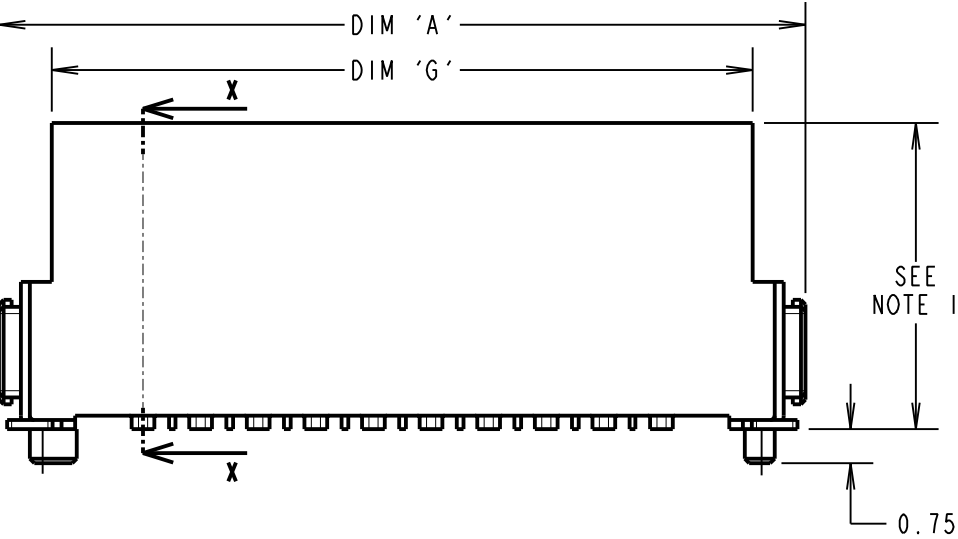
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



CAP HAS BEEN HIDDEN FOR ILLUSTRATION PURPOSES ONLY. SEE NOTE 1



ORDER CODE:

M55-70XXX42R

CONNECTOR HEIGHT:

0 = 6.75mm
1 = 8.25mm
2 = 9.85mm

TOTAL No. OF CONTACTS:

12, 16, 20, 26,
32, 40, 50, 68, 80

SPECIFICATIONS:

MATERIAL:

MOULDING & CAP = HIGH TEMP, LCP, UL94V-0

CONTACT = PHOSPHOR BRONZE

RETAINING STRAP = BRASS

PLATING:

CONTACT = 0.025µm MIN GOLD OVER

2.03µm MIN NICKEL ON CONTACT AREA,

2.54µm MIN TIN OVER

1.27µm MIN NICKEL ON TAILS

RETAINING STRAP = 2.45µm MIN TIN OVER

1.01µm MIN NICKEL

ELECTRICAL:

CURRENT RATING = 1.2A MAX

CONTACT RESISTANCE = 25mΩ MAX

INSULATION RESISTANCE = 10GΩ MIN

VOLTAGE RATING = 100V AC

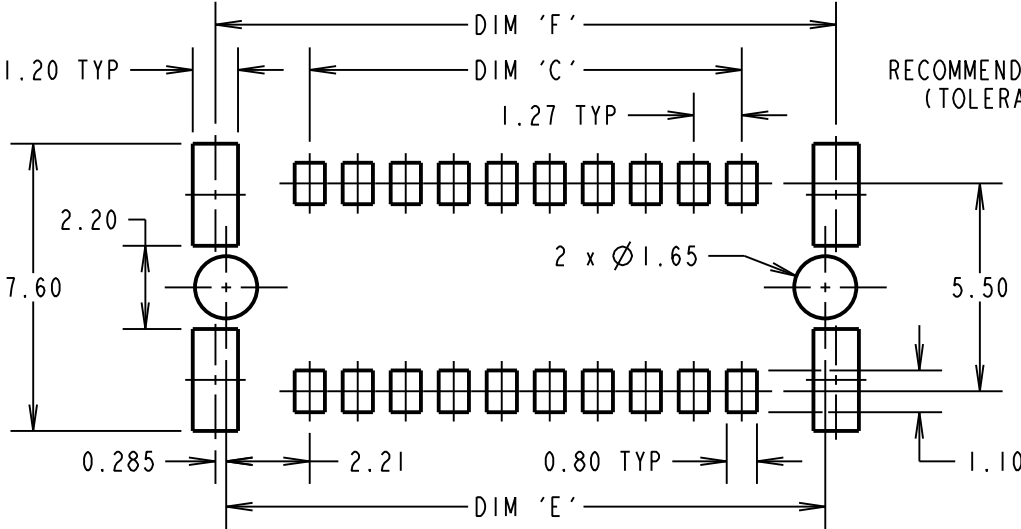
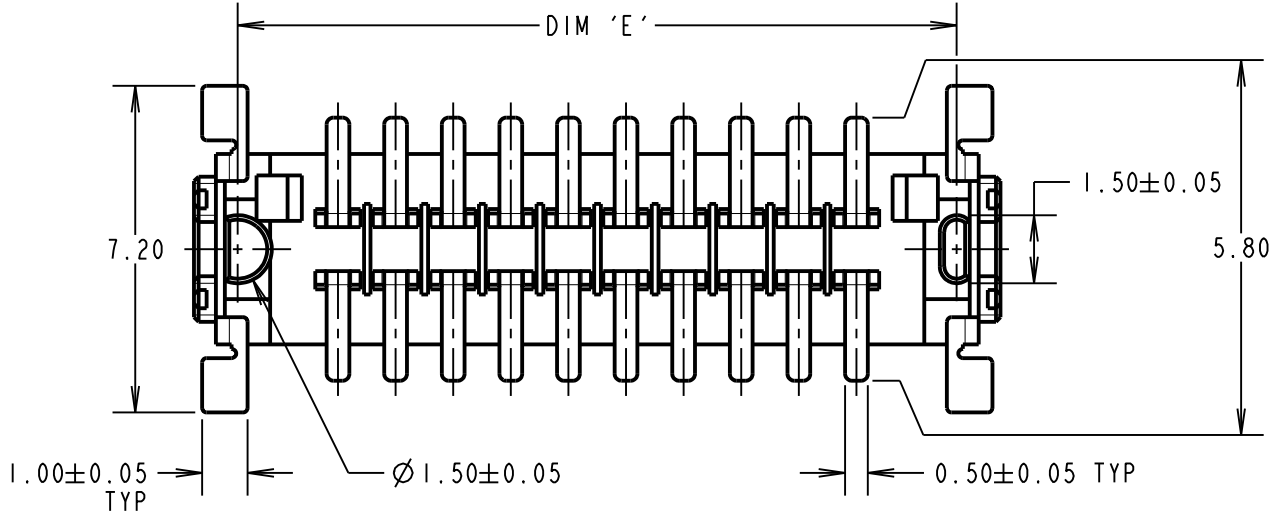
VOLTAGE PROOF = 500V AC FOR 1 MIN

MECHANICAL:

DURABILITY = 500 CYCLES

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C



RECOMMENDED PCB LAYOUT
(TOLERANCE ±0.05)

NOTES:

1. SEE ORDER CODE AND SHEET 5 FOR CONNECTOR HEIGHT AND CAP DETAILS.
2. FOR TAPE AND REEL DETAILS, SEE SHEET 6.
3. ALL TOLERANCES ARE ±0.20, UNLESS OTHERWISE STATED.
4. COMPLETE SPECIFICATION PLEASE SEE COMPONENT SPECIFICATION C047XX (LATEST ISSUE).

HARWIN

www.harwin.com
technical@harwin.com

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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:

mm²

TITLE:

1.27mm PITCH VERTICAL
MALE CONNECTOR

DRAWING NUMBER:

M55-70XXX42R

SHT

4

OF

6

RA	6	06.03.20	21558
NAME	ISS.	DATE	C/NOTE
APPROVED: R.ALEXANDER			
CHECKED: R.PORTLOCK			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: M55-70XXX42R

IF IN DOUBT - ASK

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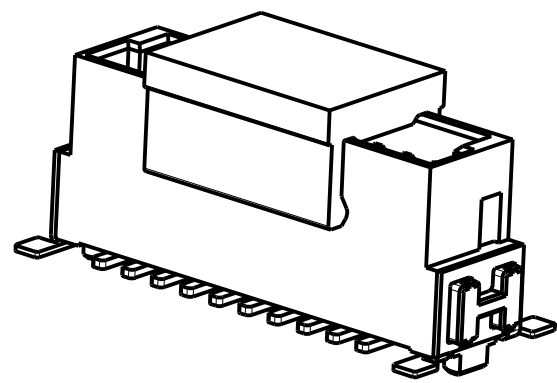
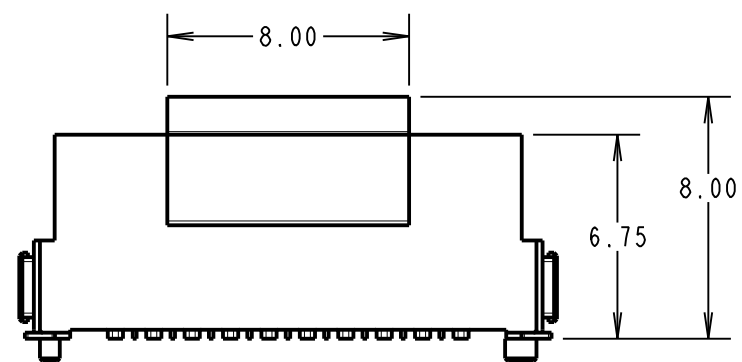
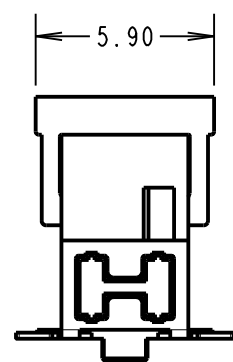
NOT TO SCALE

THIRD ANGLE PROJECTION

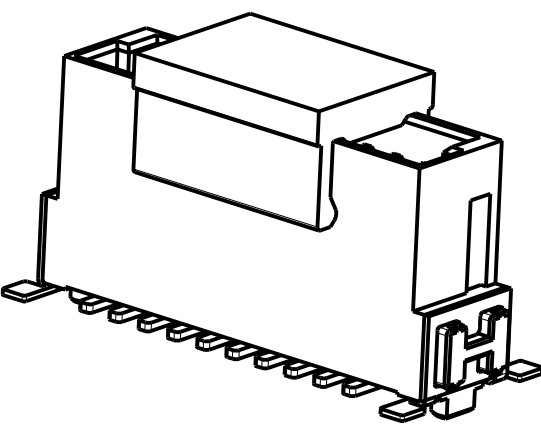
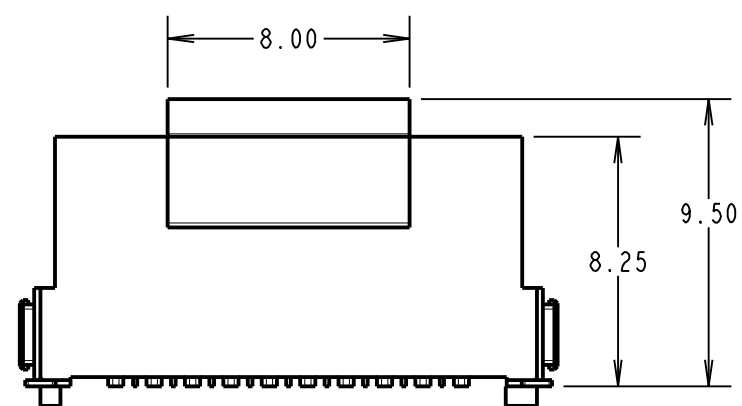
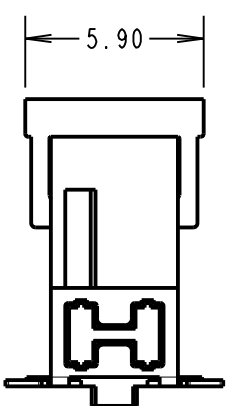
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

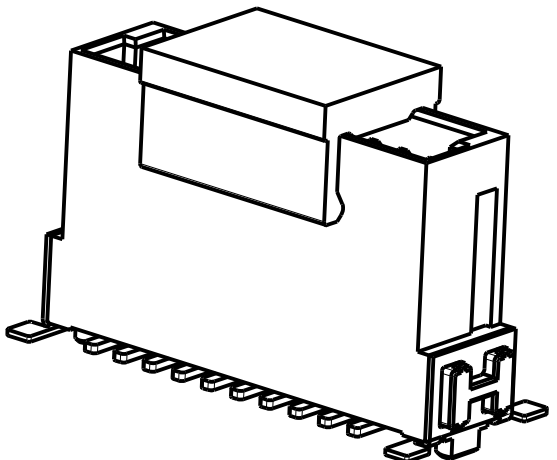
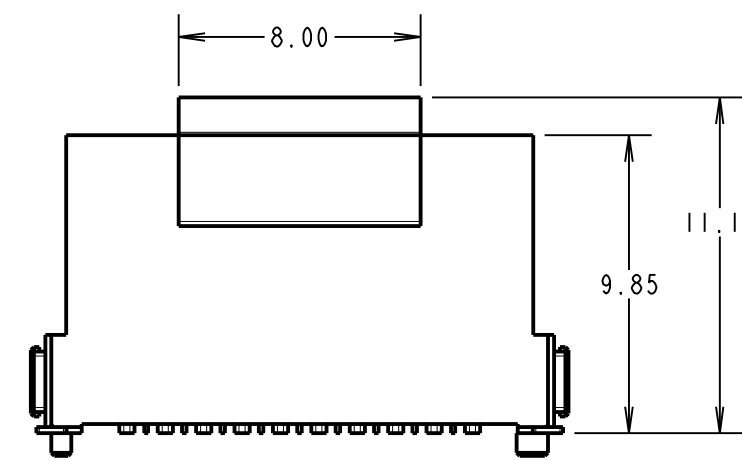
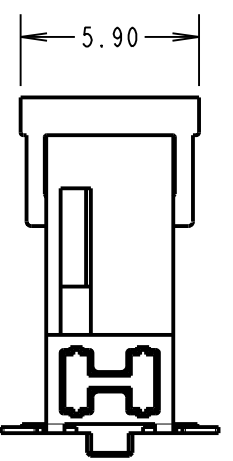
M55-700XX42R



M55-701XX42R



M55-702XX42R



RA	6	06.03.20	21558
NAME	ISS.	DATE	C/NOTE
APPROVED:		R.ALEXANDER	
CHECKED:		R.PORTLOCK	
DRAWN:		M.PERREN	
CUSTOMER REF.:			
ASSEMBLY DRG:			

NOTES:
1. ALL TOLERANCES ARE ±0.20, UNLESS OTHERWISE STATED.

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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 SHEET 4
FINISH:	SEE SHEET 4
S/AREA:	mm ²

TITLE:	1.27mm PITCH VERTICAL MALE CONNECTOR
DRAWING NUMBER:	M55-70XXX42R
SHT	5
OF	6

Customer Information Sheet

DRAWING No.: M55-70XXX42R

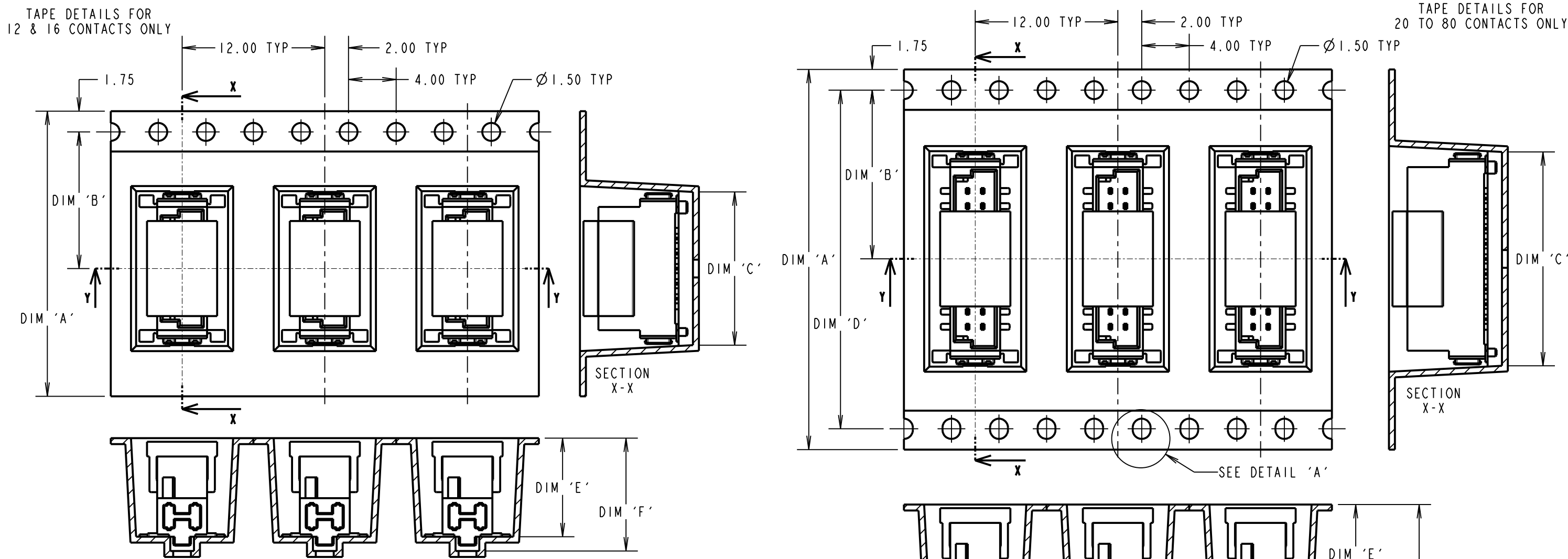
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NOT TO SCALE

THIRD ANGLE PROJECTION

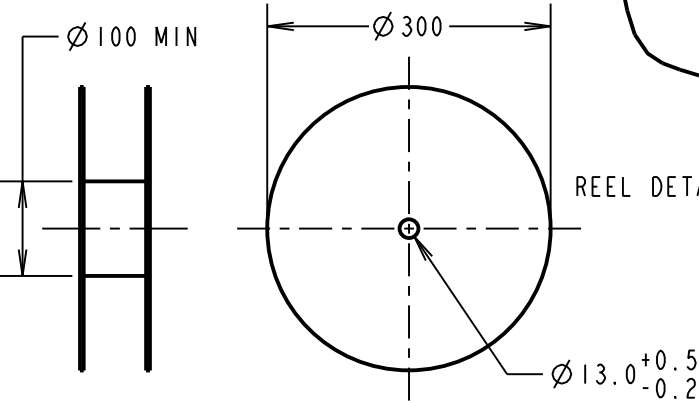
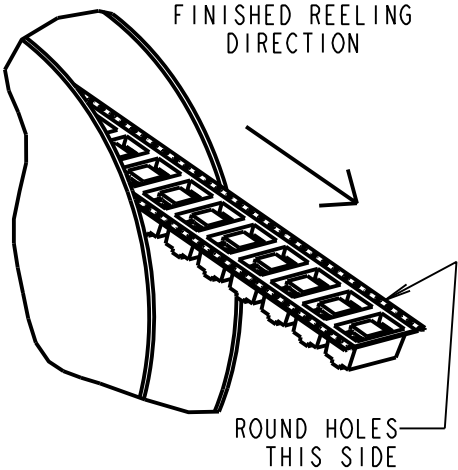
ALL DIMENSIONS IN mm



ORDER CODE:
M55-70XXX42R

CONNECTOR HEIGHT:
0 = 6.75mm
1 = 8.25mm
2 = 9.85mm

TOTAL No. OF CONTACTS:
12, 16, 20, 26,
32, 40, 50, 68, 80



PART No.	DIMENSION			
	DIM 'A' ±0.30	DIM 'B'	DIM 'C' ±0.15	DIM 'D'
M55-70X1242R	24.00	11.50	12.90	N/A
M55-70X1642R	32.00	14.20	18.00	28.40
M55-70X2042R	44.00	20.20	21.79	40.40
M55-70X3242R	56.00	26.20	37.03	52.40
M55-70X4042R	72.00	34.20	48.46	68.40
M55-70X5042R			56.08	

PART No.	DIMENSION		PACK QTY
	DIM 'E'	DIM 'F'	
M55-700XX42R	8.3	9.5	500
M55-701XX42R	9.8	11.0	450
M55-702XX42R	11.4	12.6	300

RA	6	06.03.20	21558
NAME	ISS.	DATE	C/NOTE
APPROVED: R.ALEXANDER			
CHECKED: R.PORTLOCK			
DRAWN: M.PERREN			
CUSTOMER REF.:			
ASSEMBLY DRG:			

NOTES:
1. PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).
2. FOR CONNECTOR DETAILS, SEE SHEET 4 & 5.

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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 SHEET 4
FINISH: SEE SHEET 4
S/AREA: mm²

TITLE:
1.27mm PITCH VERTICAL MALE CONNECTOR
DRAWING NUMBER:
M55-70XXX42R
SHT 6 OF 6

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Harwin:

<u>M55-7001242R</u>	<u>M55-7021642R</u>	<u>M55-7012642R</u>	<u>M55-7006842R</u>	<u>M55-7008042R</u>	<u>M55-7011242R</u>	<u>M55-7016842R</u>
<u>M55-7022642R</u>	<u>M55-7015042R</u>	<u>M55-7026842R</u>	<u>M55-7002642R</u>	<u>M55-7025042R</u>	<u>M55-7024042R</u>	<u>M55-7005042R</u>
<u>M55-7028042R</u>	<u>M55-7011642R</u>	<u>M55-7012042R</u>	<u>M55-7014042R</u>	<u>M55-7021242R</u>	<u>M55-7001642R</u>	<u>M55-7018042R</u>
<u>M55-7022042R</u>	<u>M55-7002042R</u>	<u>M55-7004042R</u>	<u>M55-7003242R</u>	<u>M55-7013242R</u>	<u>M55-7023242R</u>	