

Customer Information Sheet

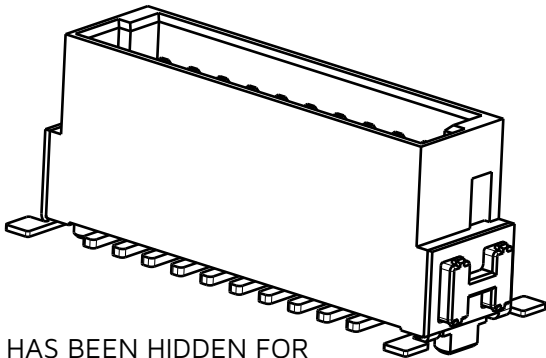
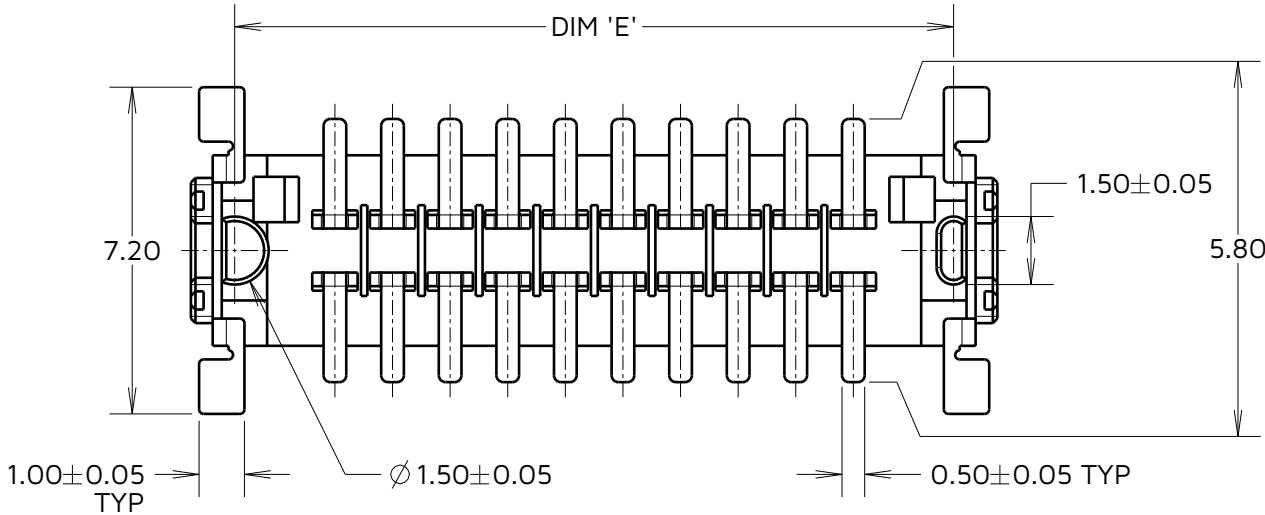
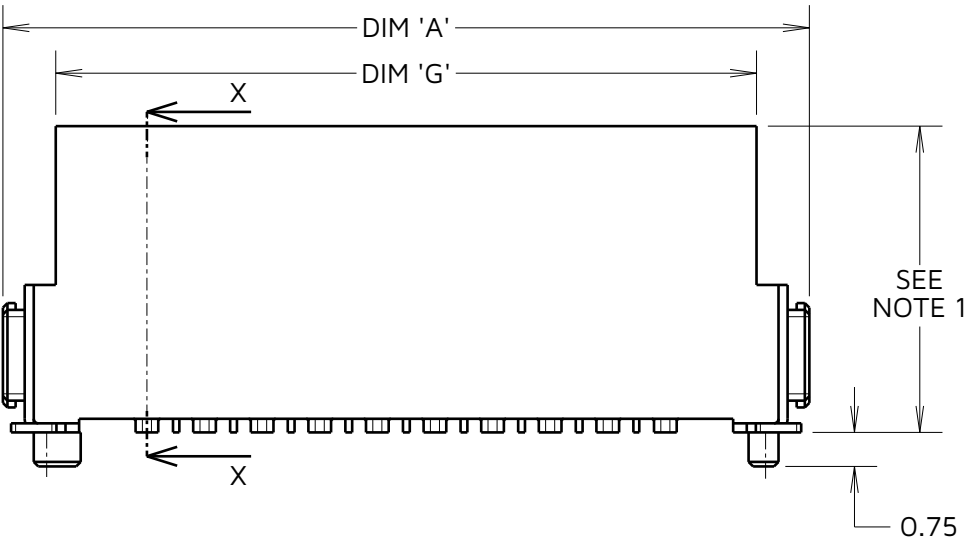
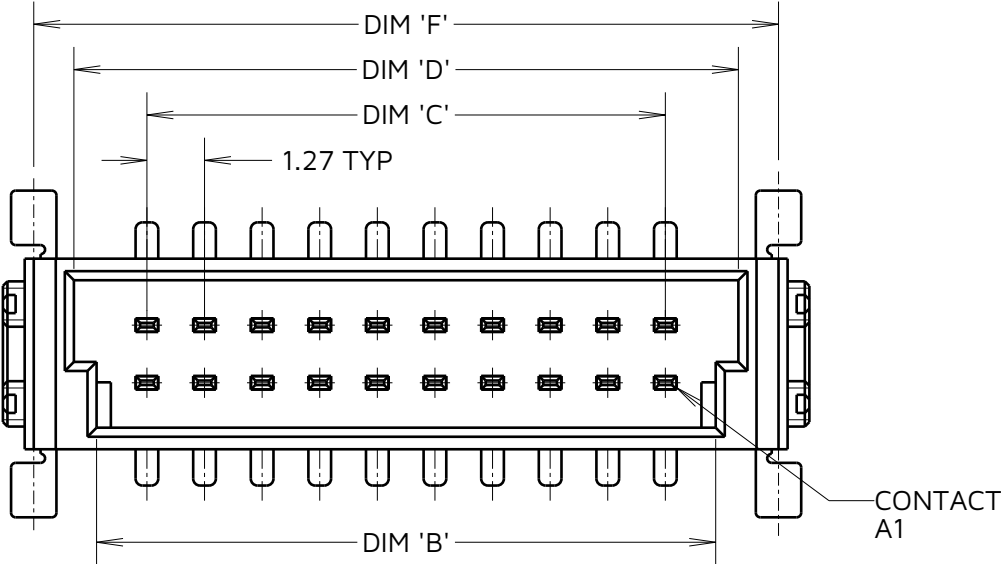
IF IN DOUBT - ASK

©

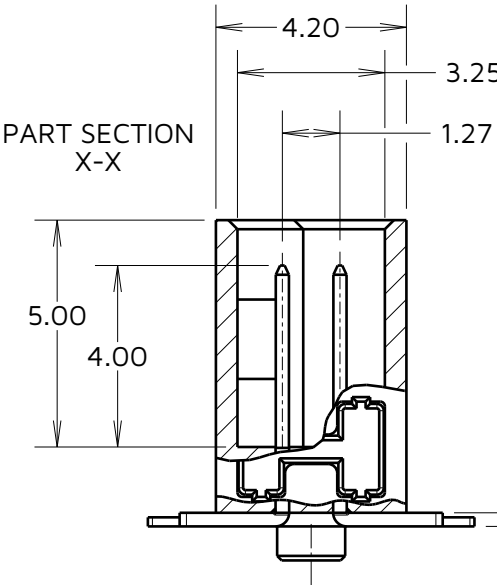
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



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



0.30±0.02		
0.10	12 - 50 CONTACTS	
0.15	68 - 80 CONTACTS	

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

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.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
M55-70X1242R	12.70	8.57	6.35	9.57	10.77	11.34	10.37
M55-70X1642R	15.24	11.11	8.89	12.11	13.31	13.88	12.91
M55-70X2042R	17.78	13.65	11.43	14.65	15.85	16.42	15.45
M55-70X2642R	21.59	17.46	15.24	18.46	19.66	20.23	19.26
M55-70X3242R	25.40	21.27	19.05	22.27	23.47	24.04	23.07
M55-70X4042R	30.48	26.35	24.13	27.35	28.55	29.12	28.15
M55-70X5042R	36.83	32.70	30.48	33.70	34.90	35.47	34.50
M55-70X6842R	48.26	44.13	41.91	45.13	46.33	46.90	45.93
M55-70X8042R	55.88	51.75	49.53	52.75	53.95	54.52	53.55

MGP	8	03.08.23	32860
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: AB			
DRAWN: M.PERREN			
ASSEMBLY DRG:			

- NOTES:
- SEE ORDER CODE AND SHEET 5 FOR CONNECTOR HEIGHT AND CAP DETAILS. SEE SHEET 7 FOR RECOMMENDED PCB LAYOUTS.
 - FOR TAPE AND REEL DETAILS, SEE SHEET 6.
 - ALL TOLERANCES ARE ±0.20, UNLESS OTHERWISE STATED.
 - COMPLETE SPECIFICATION PLEASE SEE COMPONENT SPECIFICATION C047XX (LATEST ISSUE).

HARWIN

www.harwin.com

TOLERANCES
X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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.

MATERIAL:

SEE ABOVE

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

SHT
4 OF
7

Customer Information Sheet

IF IN DOUBT - ASK

©

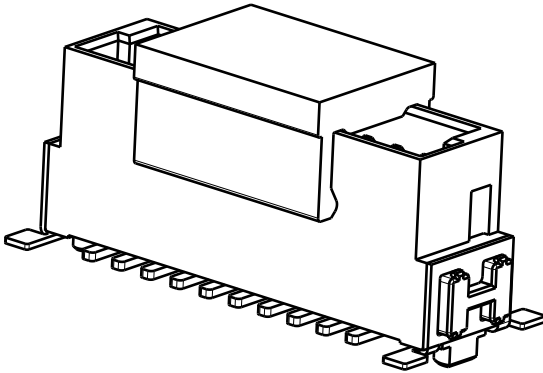
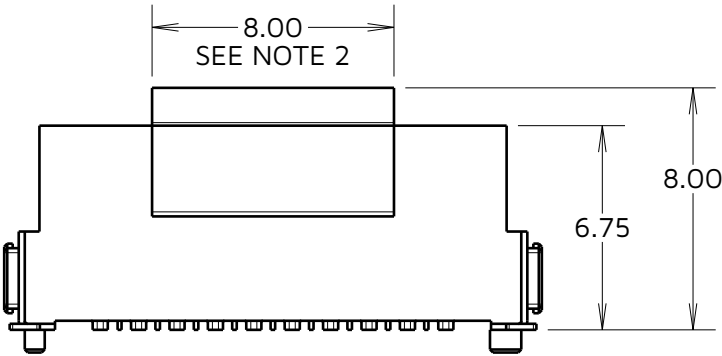
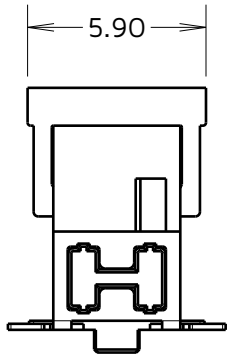
NOT TO SCALE

THIRD ANGLE PROJECTION

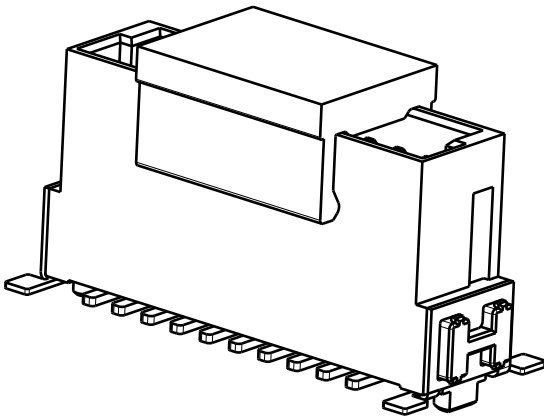
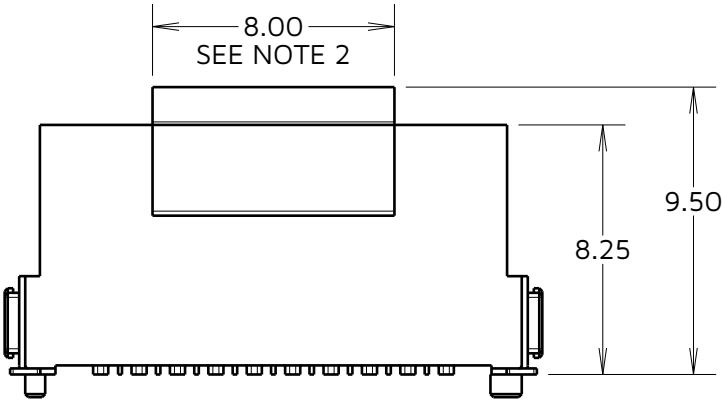
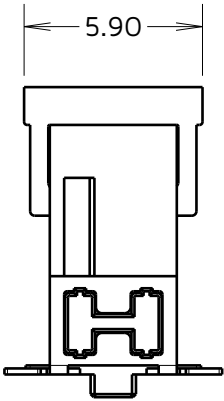
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

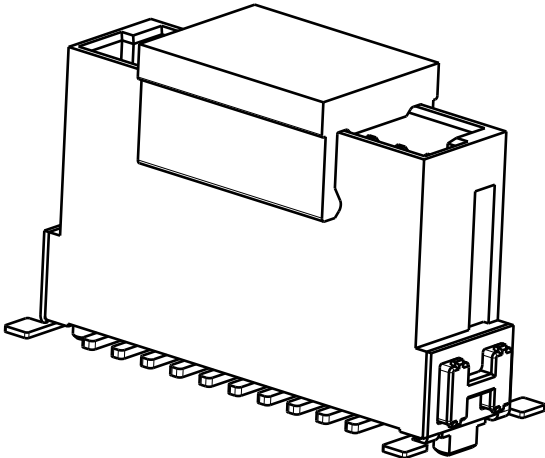
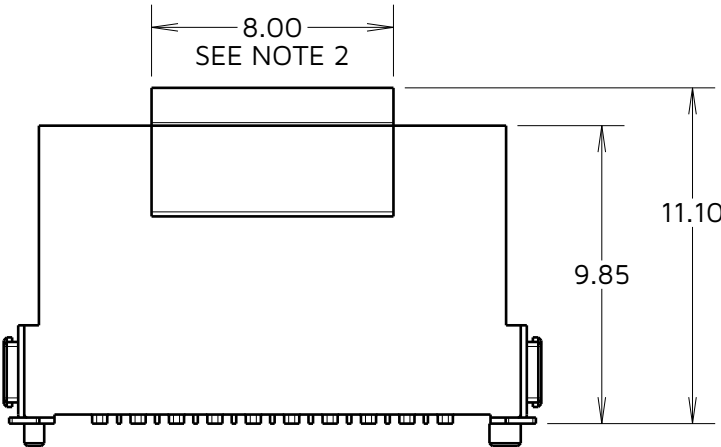
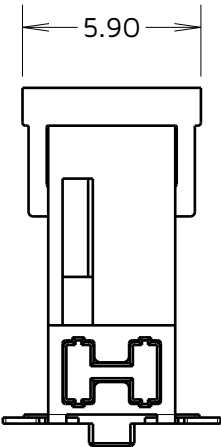
M55-700XX42R



M55-701XX42R



M55-702XX42R



- NOTES:
1. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
 2. PICK & PLACE CAP POSITIONED CENTRAL ± 1.6 mm TO MOULDING DIM 'A', SEE SHEET 4.

HARWIN

www.harwin.com

TOLERANCES

X. = ± 1 mm
X.X = ± 0.50 mm
X.XX = ± 0.20 mm
X.XXX = ± 0.01 mm

ANGLES = $\pm 5^\circ$

UNLESS STATED

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.

MATERIAL:

SEE SHEET 4

TITLE:

1.27mm PITCH VERTICAL MALE CONNECTOR

DRAWING NUMBER:

M55-70XXX42R

SHT
5
OF
7

MGP	8	03.08.23	32860
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: AB			
DRAWN: M.PERREN			
ASSEMBLY DRG:			

Customer Information Sheet

IF IN DOUBT - ASK

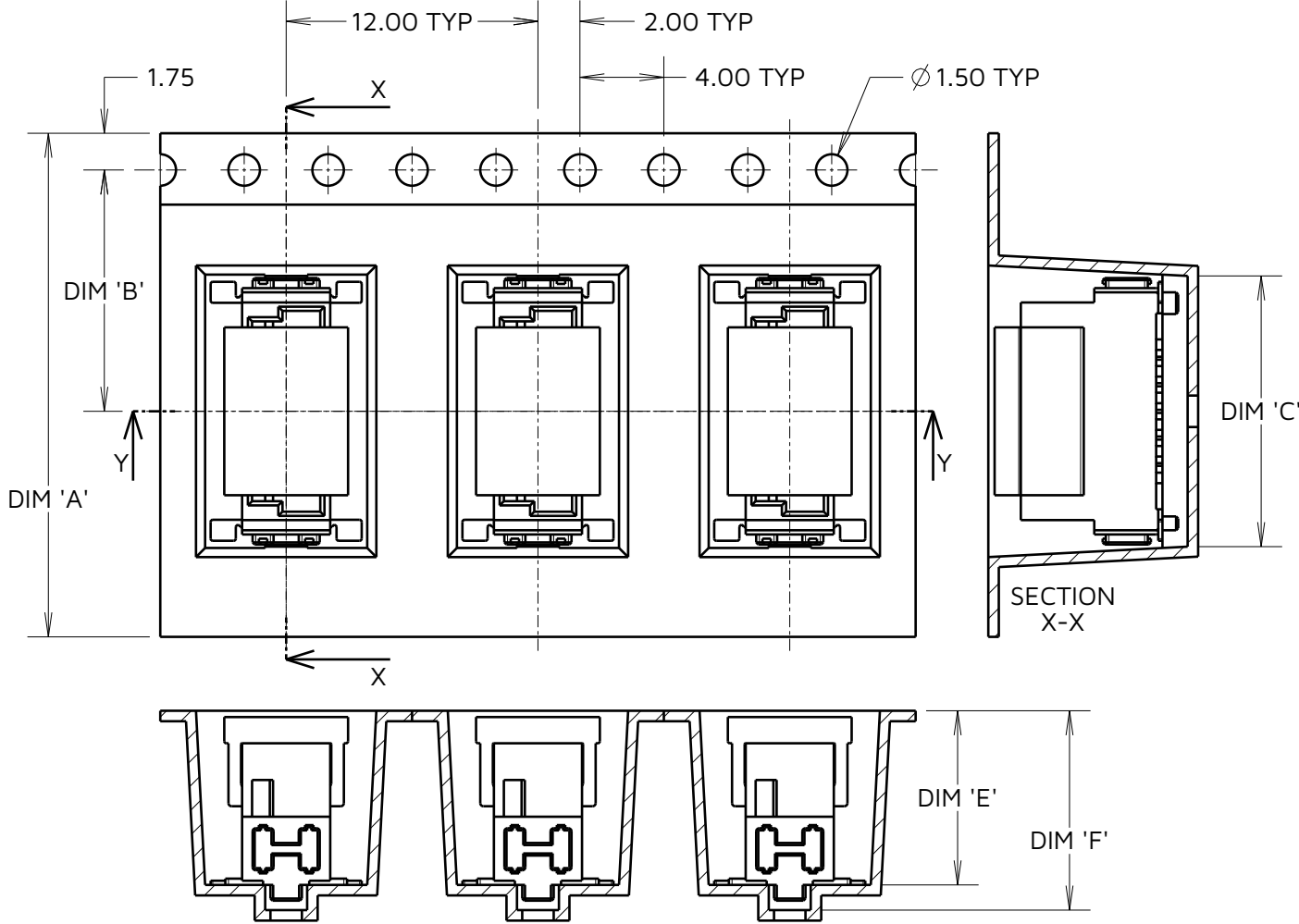
©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR
12 & 16 CONTACTS ONLY



ORDER CODE:

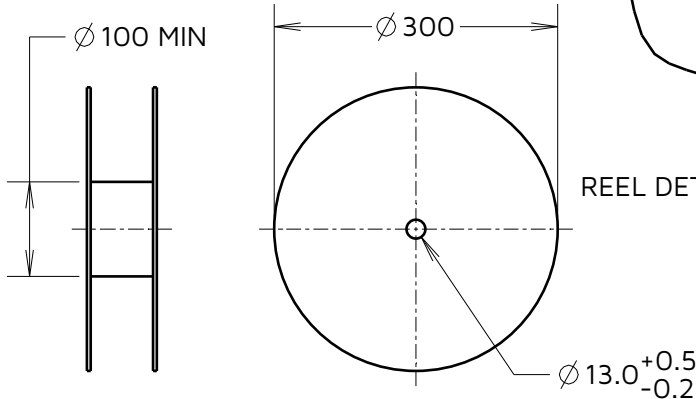
M55-70XXX42R

CONNECTOR HEIGHT:

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

TOTAL No. OF CONTACTS:

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



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

TAPE DETAILS FOR
20 TO 80 CONTACTS ONLY

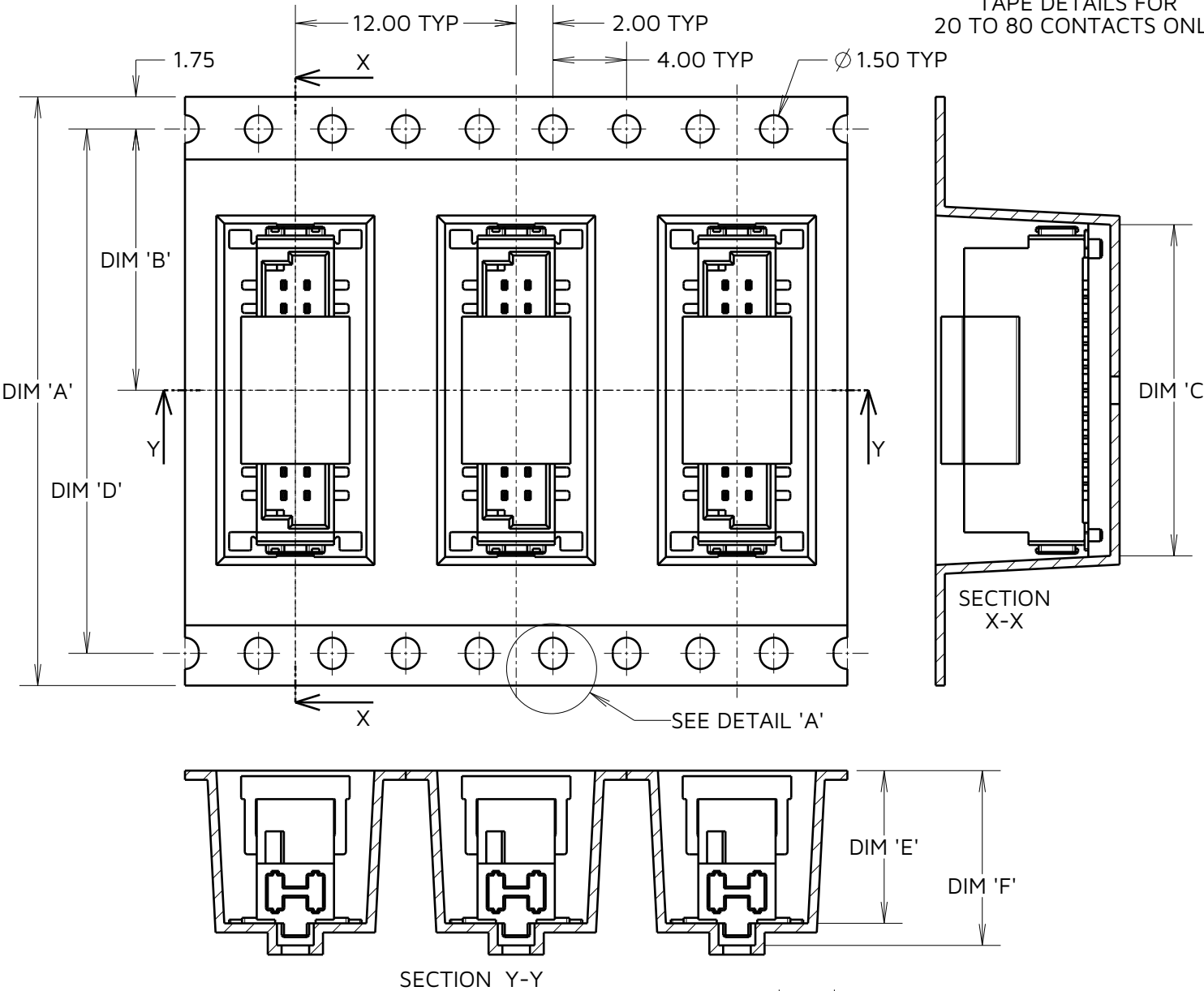


TABLE 1

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
M55-70X2642R	56.00	26.20	37.03	52.40
M55-70X3242R	72.00	34.20	48.46	68.40
M55-70X4042R			56.08	
M55-70X5042R				
M55-70X6842R				
M55-70X8042R				

TABLE 2

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

MGP	8	03.08.23	32860
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: AB			
DRAWN: M.PERREN			
ASSEMBLY DRG:			

HARWIN

www.harwin.com

TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
UNLESS STATED

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.

MATERIAL:

SEE SHEET 4

TITLE:

**1.27mm PITCH VERTICAL
MALE CONNECTOR**

DRAWING NUMBER:

M55-70XXX42R

SHT
6 OF 7

Customer Information Sheet

IF IN DOUBT - ASK

©

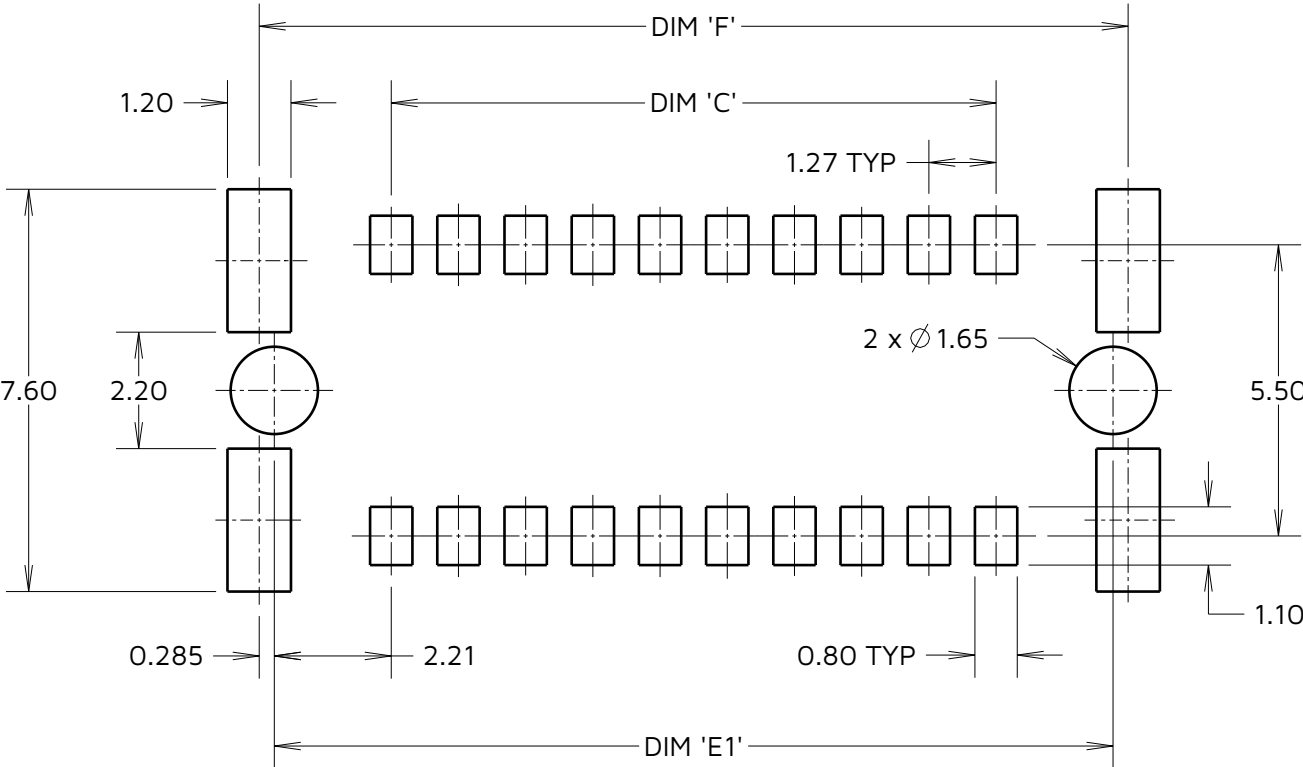
NOT TO SCALE

THIRD ANGLE PROJECTION

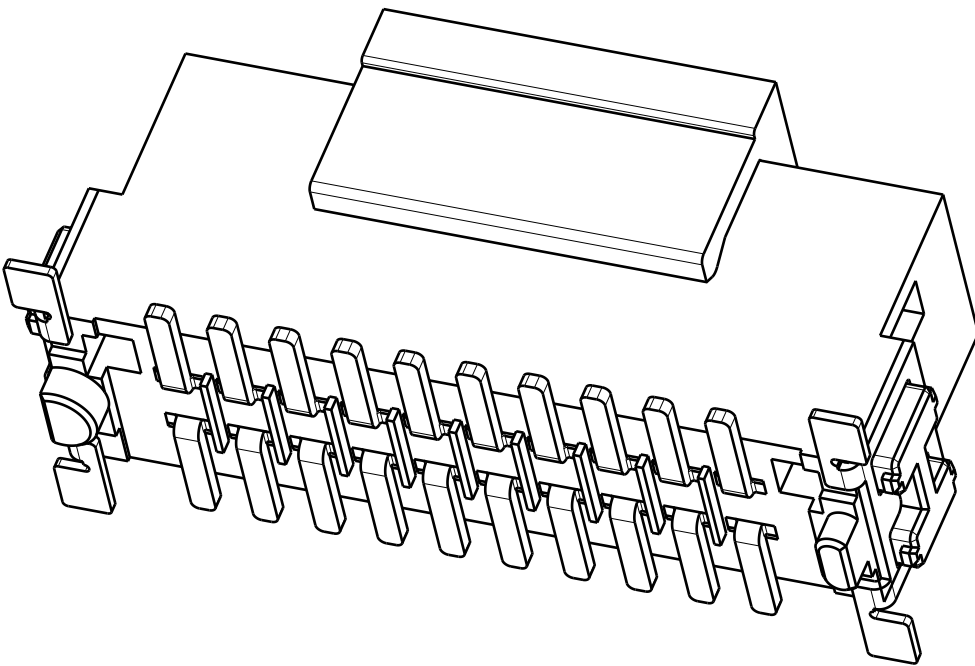
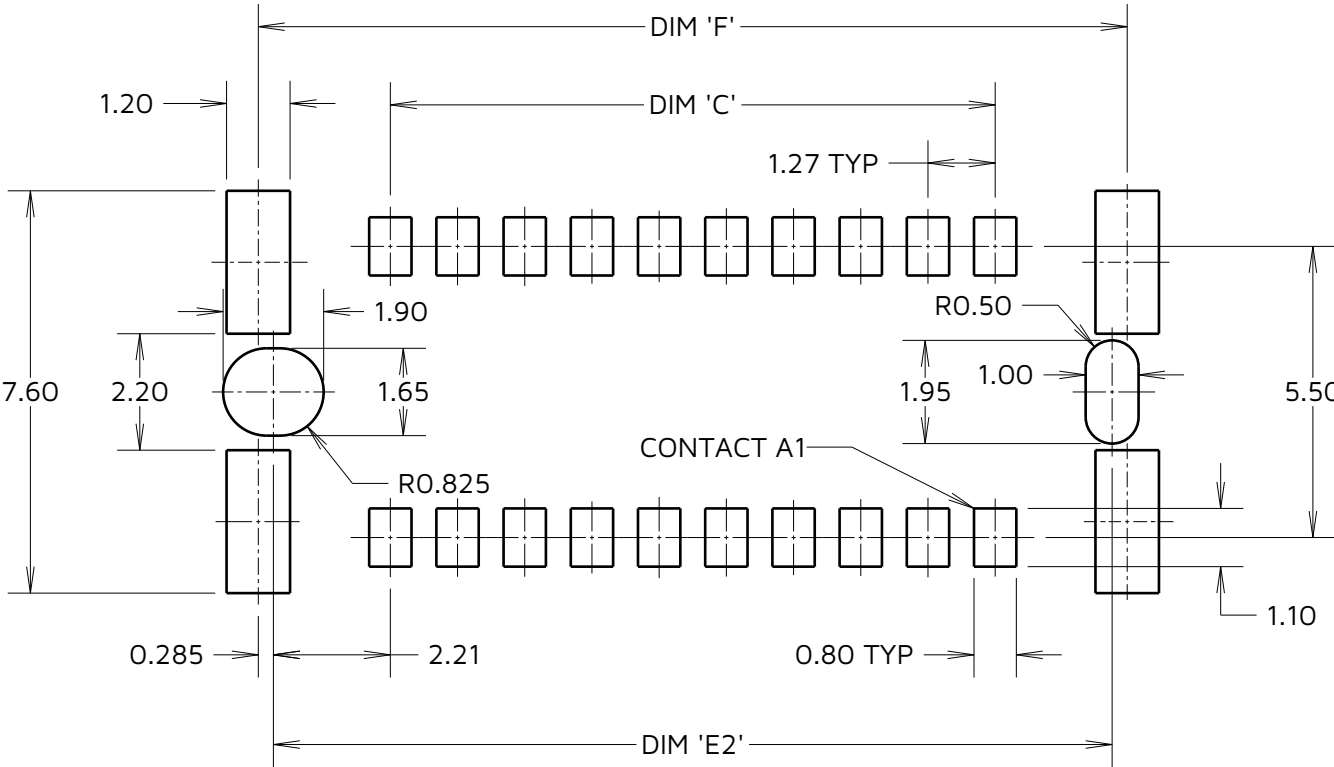
ALL DIMENSIONS IN mm

ROUND AND POLARIZED RECOMMENDED PCB LAYOUTS OPTIONS

RECOMMENDED ROUND HOLE PCB LAYOUT
TOLERANCE = ± 0.05



RECOMMENDED POLARIZED HOLE PCB LAYOUT
TOLERANCE = ± 0.05



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.	DIM 'C'	DIM 'E1'	DIM 'E2'	DIM 'F'
M55-70X1242R	6.35	10.77	10.70	11.34
M55-70X1642R	8.89	13.31	13.24	13.88
M55-70X2042R	11.43	15.85	15.78	16.42
M55-70X2642R	15.24	19.66	19.59	20.23
M55-70X3242R	19.05	23.47	23.40	24.04
M55-70X4042R	24.13	28.55	28.48	29.12
M55-70X5042R	30.48	34.90	34.83	35.47
M55-70X6842R	41.91	46.33	46.26	46.90
M55-70X8042R	49.53	53.95	53.88	54.52

MGP	8	03.08.23	32860
NAME	ISS.	DATE	CN/CO
APPROVED: MGP			
CHECKED: AB			
DRAWN: M.PERREN			
ASSEMBLY DRG:			

HARWIN

www.harwin.com

TOLERANCES

X. = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.20\text{mm}$
X.XXX = $\pm 0.01\text{mm}$

ANGLES = $\pm 5^\circ$

UNLESS STATED

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.

MATERIAL:

SEE SHEET 4

TITLE:

**1.27mm PITCH VERTICAL
MALE CONNECTOR**

DRAWING NUMBER:

M55-70XXX42R

SHT
7
OF
7