

Customer Information Sheet

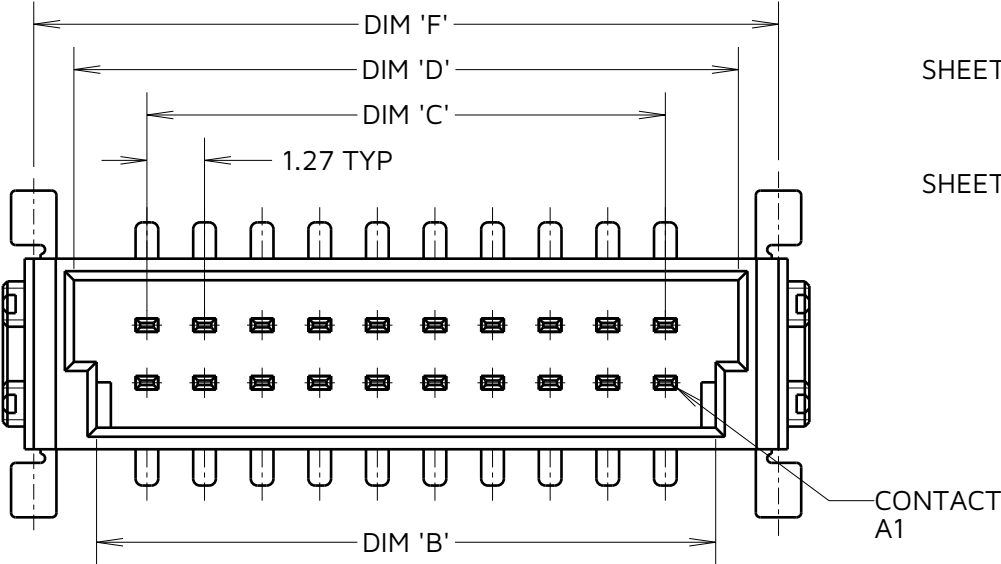
IF IN DOUBT - ASK

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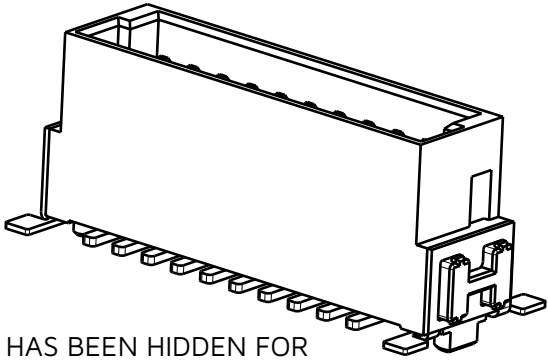
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

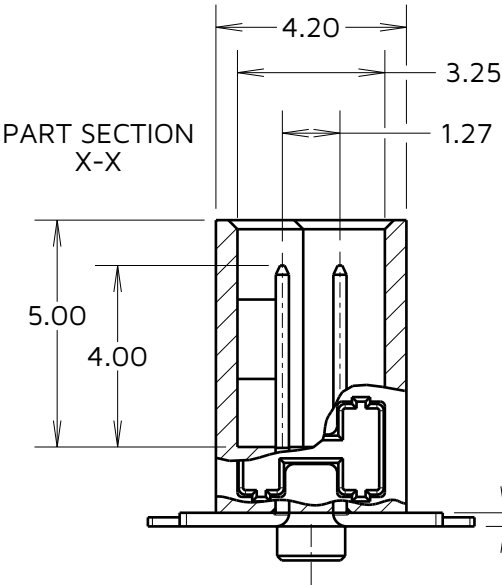
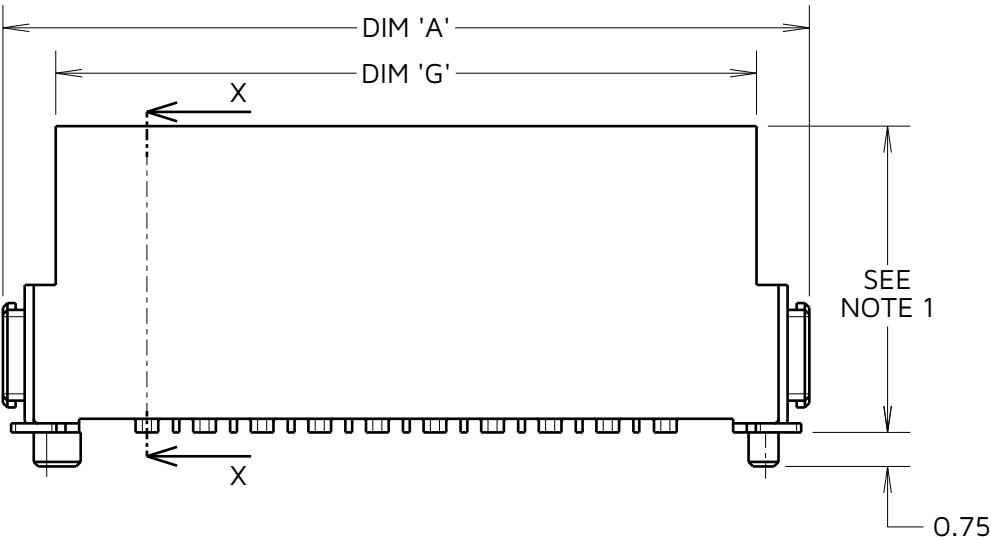


SHEETS 7 to 10:
M55-700XX42R
M55-701XX42R
M55-702XX42R
SHEETS 11 to 14:
M55-705XX42R
M55-706XX42R
M55-707XX42R



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

SPECIFICATIONS:
MATERIAL:
MOULDING & CAP = HIGH TEMP, LCP, UL94V-0
CONTACT = PHOSPHOR BRONZE
RETAINING STRAP = BRASS
PLATING:
CONTACT = GOLD OVER NICKEL ON CONTACT AREA,
TIN OVER NICKEL ON TAILS
RETAINING STRAP = TIN OVER NICKEL
PACKING:
TAPE & REEL
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C047XX (LATEST ISSUE)



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

ORDER CODE:
M55-70XXX42R
CONNECTOR HEIGHT:
SMT HARDWARE:
0 = 6.75mm
1 = 8.25mm
2 = 9.85mm
THR HARDWARE:
5 = 6.75mm
6 = 8.25mm
7 = 9.85mm
TOTAL No. OF CONTACTS:
12, 16, 20, 26,
32, 40, 50, 68, 80

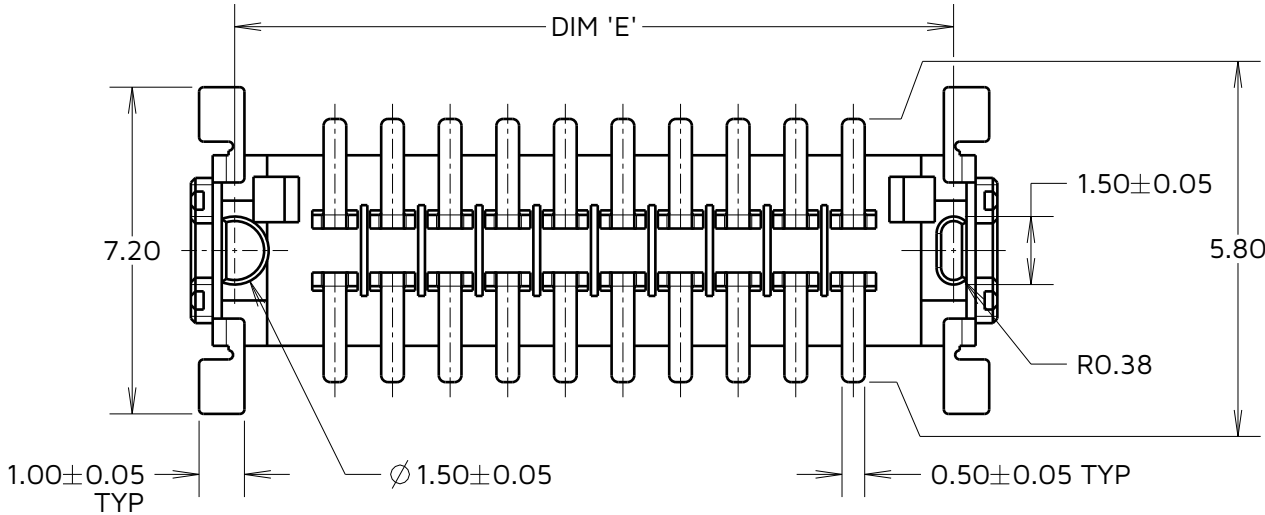


TABLE 1: CONNECTOR & DIMENSIONS (X = 0, 1, 2)							
PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
M55-70X1242R	12.70	8.57	6.35	9.57	10.77	11.34	10.37
M55-70X1642R	15.24	11.11	8.89	12.11	13.31	13.88	12.91
M55-70X2042R	17.78	13.65	11.43	14.65	15.85	16.42	15.45
M55-70X2642R	21.59	17.46	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

- NOTES:
- SEE ORDER CODE AND SHEET 8 FOR CONNECTOR HEIGHT AND CAP DETAILS. SEE SHEET 10 FOR RECOMMENDED PCB LAYOUTS.
 - FOR TAPE AND REEL DETAILS, SEE SHEET 9.
 - ALL TOLERANCES ARE ±0.20, UNLESS OTHERWISE STATED.
 - COMPLETE SPECIFICATION PLEASE SEE COMPONENT SPECIFICATION C047XX (LATEST ISSUE).

HARWIN

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

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ANY OTHER PURPOSE WITHOUT THEIR
WRITTEN PERMISSION.

MATERIAL & FINISH:

SEE ABOVE

TITLE:
**1.27mm PITCH VERTICAL
MALE CONNECTOR**
DRAWING NUMBER:
**M55-700XX42R to
M55-702XX42R**

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

IF IN DOUBT - ASK

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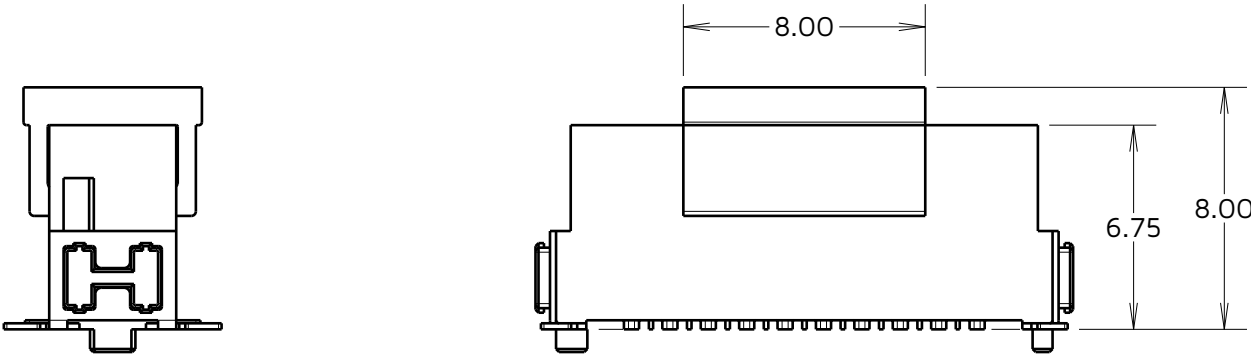
NOT TO SCALE

THIRD ANGLE PROJECTION

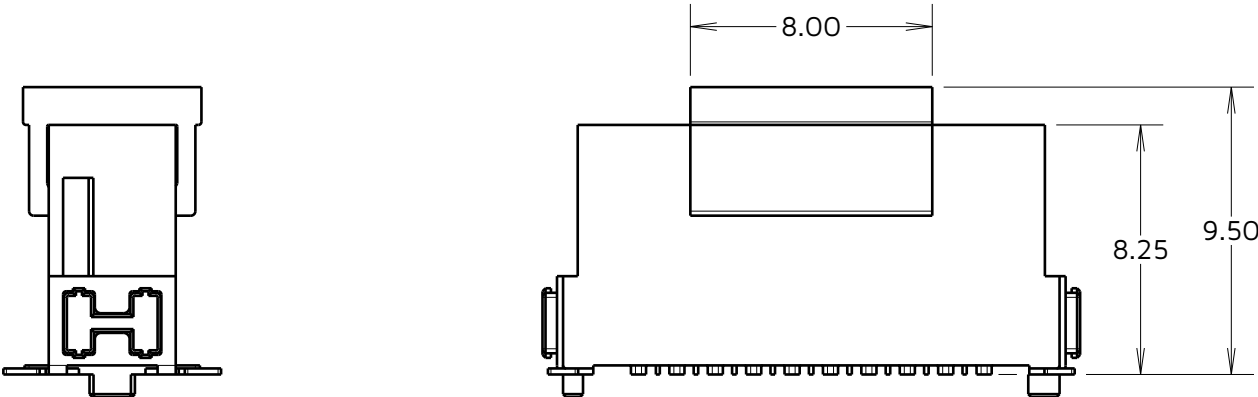
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

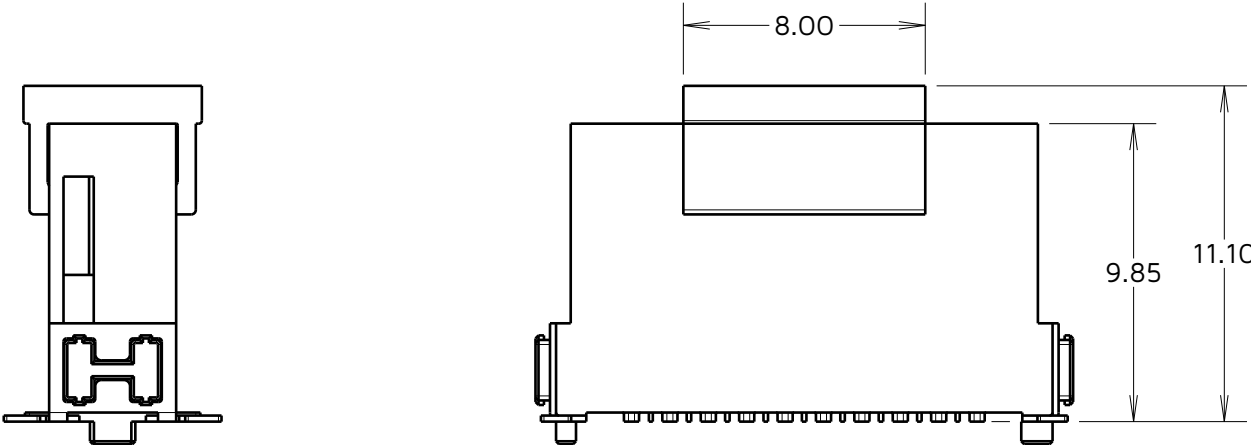
M55-700XX42R



M55-701XX42R



M55-702XX42R



NOTES:
5. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
6. PICK & PLACE CAP POSITIONED CENTRALLY.

HARWIN
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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

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MATERIAL & FINISH:

SEE SHEET 7

TITLE:
1.27mm PITCH VERTICAL MALE CONNECTOR
DRAWING NUMBER:
M55-700XX42R to M55-702XX42R
SHT 8 OF 14

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

IF IN DOUBT - ASK

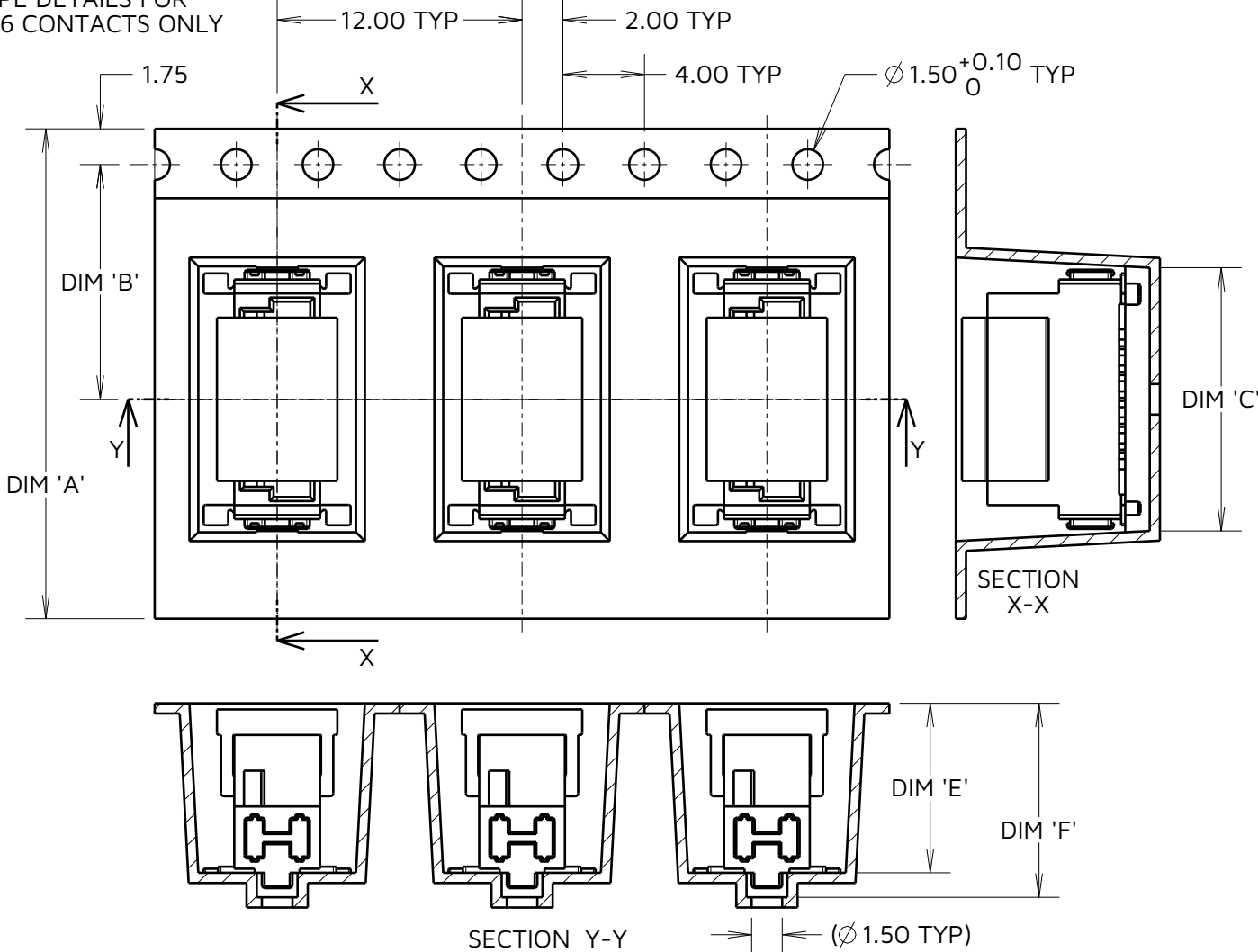
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NOT TO SCALE

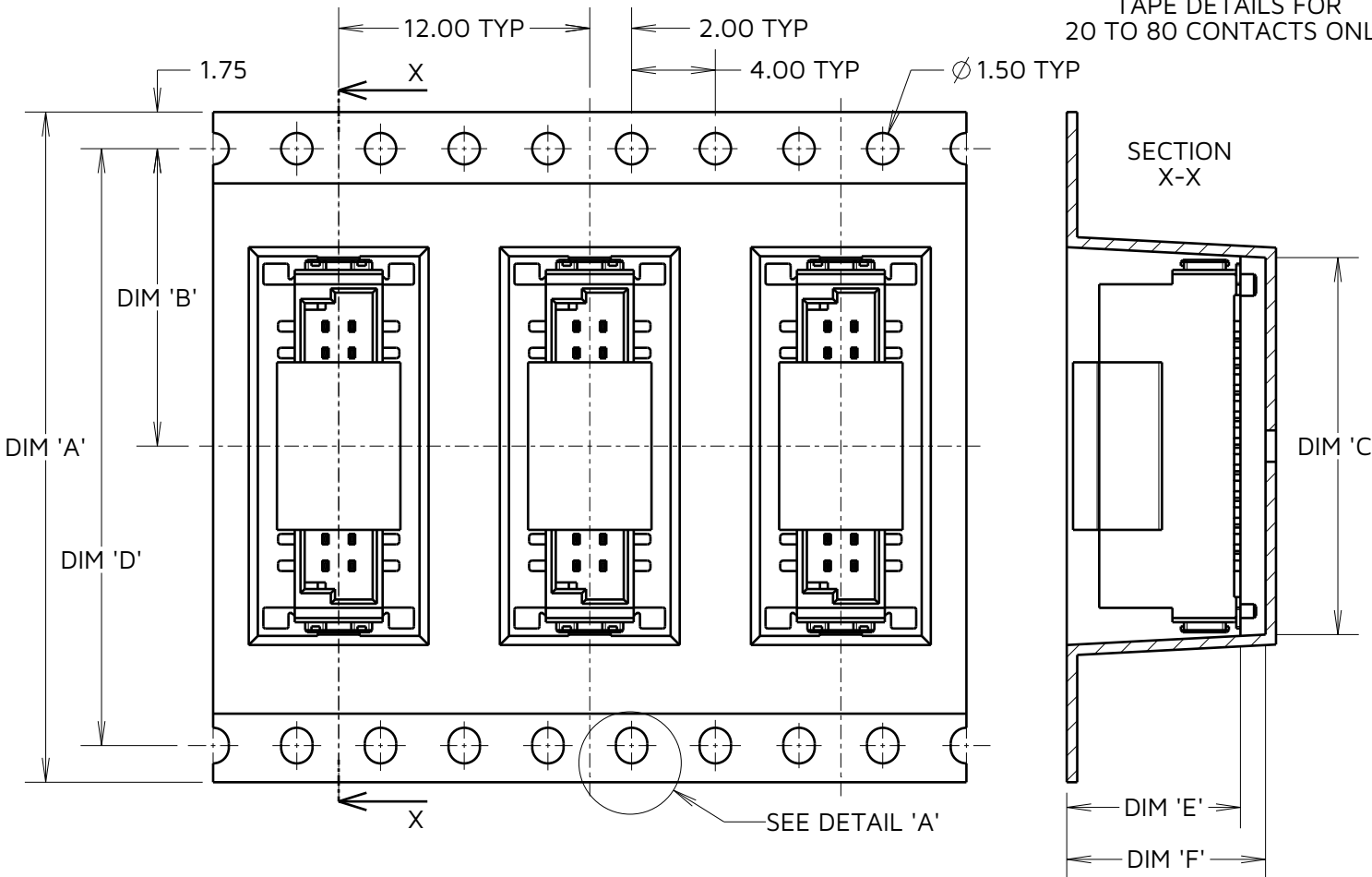
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR
12 & 16 CONTACTS ONLY



TAPE DETAILS FOR
20 TO 80 CONTACTS ONLY



ORDER CODE:

M55-70XXX42R

CONNECTOR HEIGHT:

SMT HARDWARE:

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

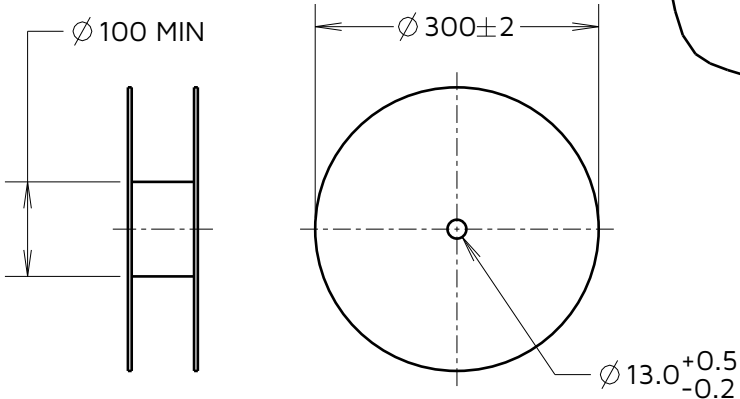
THR HARDWARE:

5 = 6.75mm
6 = 8.25mm
7 = 9.85mm

TOTAL No. OF CONTACTS:

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

REEL DETAILS



FINISHED REELING
DIRECTION

ROUND HOLES
THIS SIDE

TABLE 2: PACKING TAPE DETAILS 1 (X = 0, 1, 2)

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	27.03	52.40
M55-70X3242R	68.00	32.20	32.27	64.40
M55-70X4042R	80.00	38.20	38.31	76.40
M55-70X5042R	100.00	48.20	48.35	96.40
M55-70X6842R	120.00	68.20	68.39	116.40
M55-70X8042R	140.00	88.20	88.43	136.40

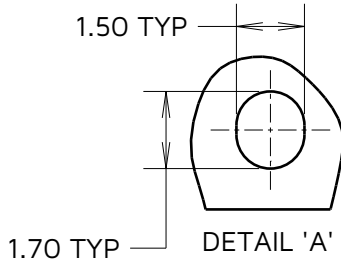


TABLE 3: PACKING TAPE DETAILS 2

PART No.	DIMENSION		PACK QTY (PCS)
	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	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

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TOLERANCES

X. = ±1mm
X.X = ±0.50mm
X.XX = ±0.20mm
X.XXX = ±0.01mm
ANGLES = ±5°
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MATERIAL & FINISH:

SEE SHEET 7

TITLE:

**1.27mm PITCH VERTICAL
MALE CONNECTOR**

DRAWING NUMBER:
**M55-700XX42R to
M55-702XX42R**

SHT
9
OF
14

NOTES:
7. PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE
WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).
8. FOR CONNECTOR DETAILS, SEE SHEET 7 & 8.

Customer Information Sheet

IF IN DOUBT - ASK

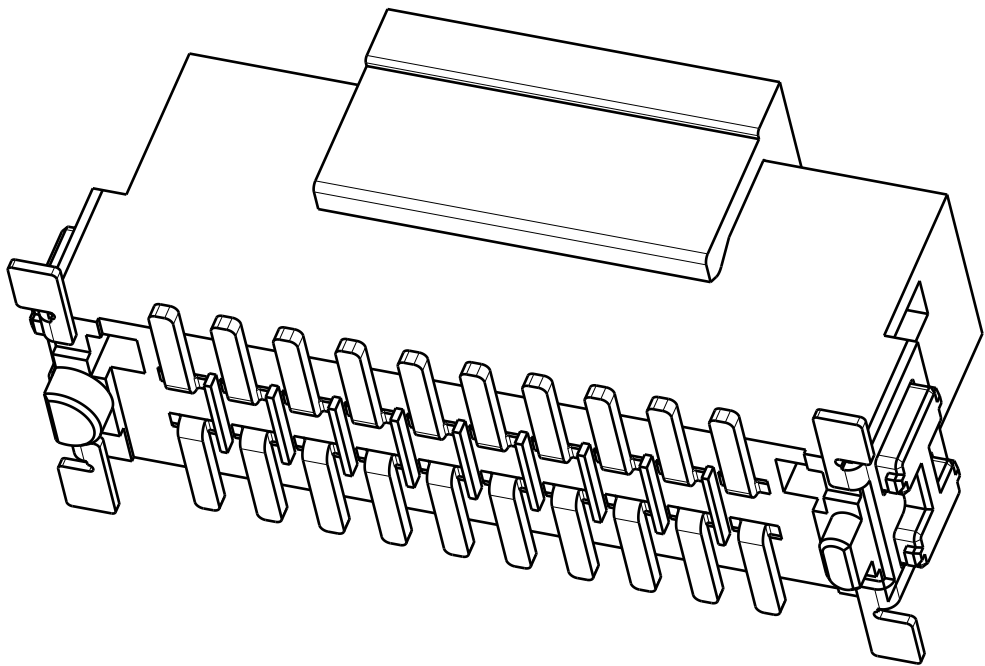
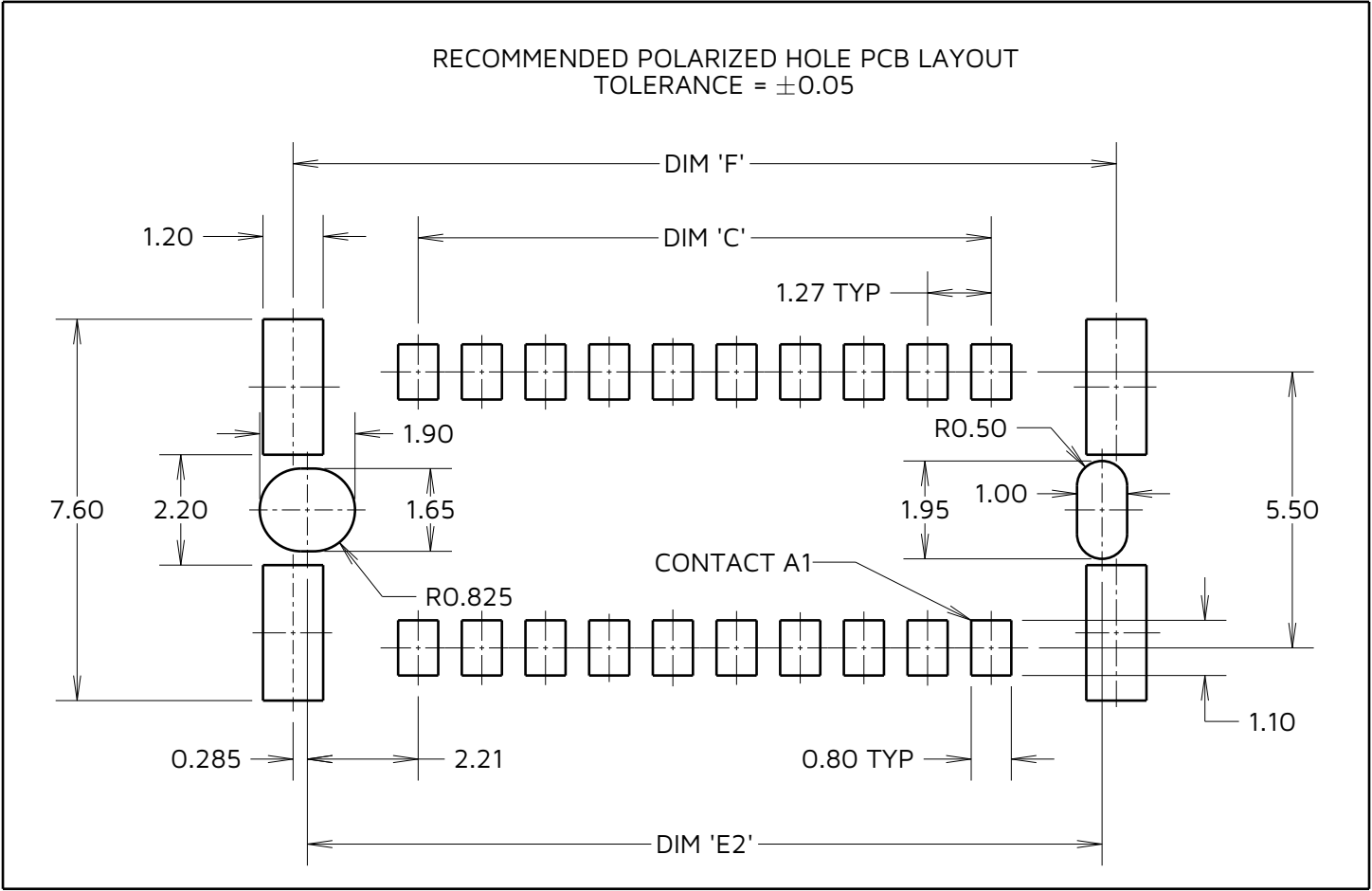
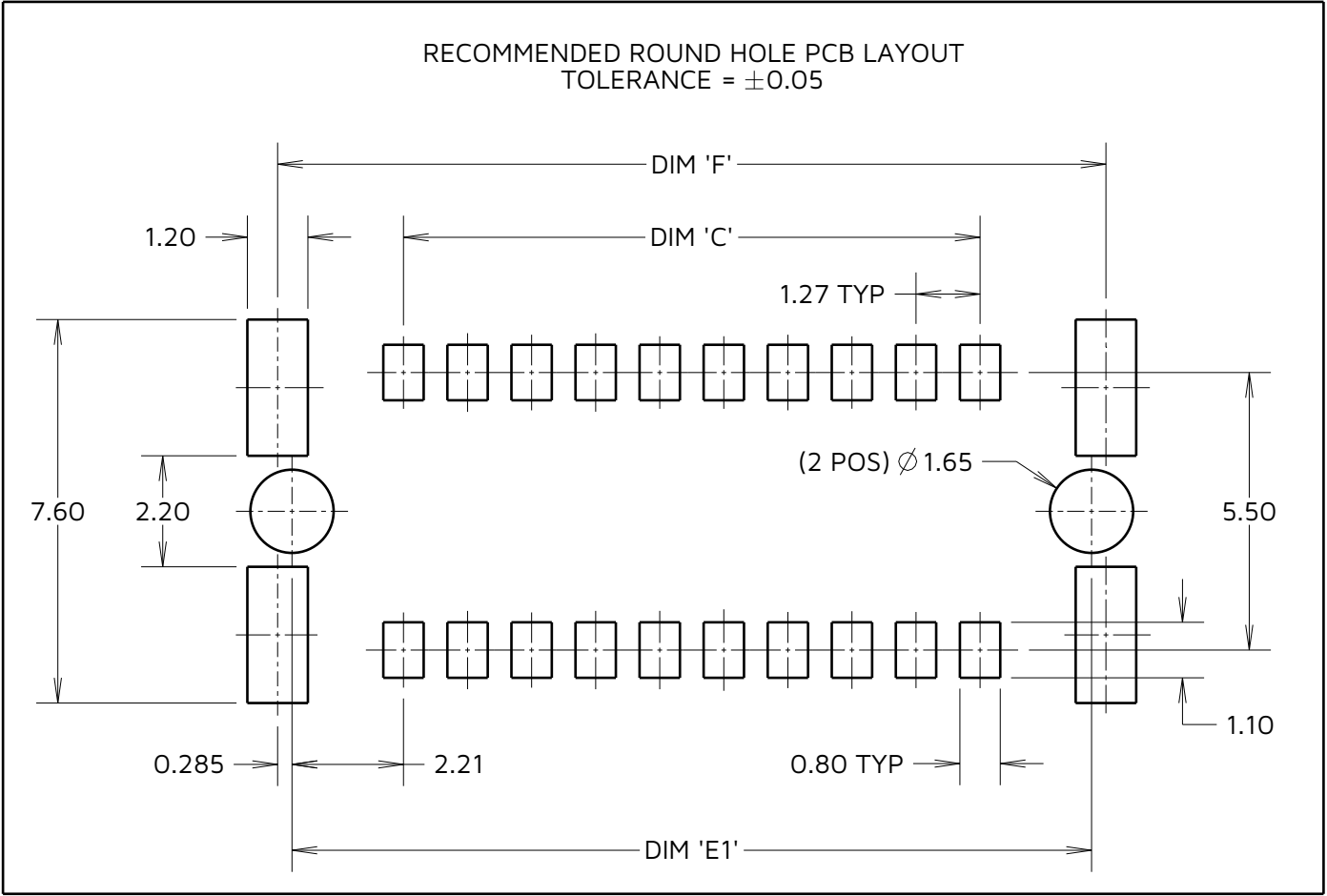
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ROUND AND POLARIZED RECOMMENDED PCB LAYOUTS OPTIONS



ORDER CODE:

M55-70XXX42R

CONNECTOR HEIGHT:

SMT HARDWARE:

0 = 6.75mm

1 = 8.25mm

2 = 9.85mm

THR HARDWARE:

5 = 6.75mm

6 = 8.25mm

7 = 9.85mm

TOTAL No. OF CONTACTS:

12, 16, 20, 26,

32, 40, 50, 68, 80

TABLE 4: PCB DIMENSIONS (X = 0, 1, 2)

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

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

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TOLERANCES

X. = ± 1 mm

X.X = ± 0.50 mm

X.XX = ± 0.20 mm

X.XXX = ± 0.01 mm

ANGLES = $\pm 5^\circ$

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MATERIAL & FINISH:

SEE SHEET 7

TITLE:

1.27mm PITCH VERTICAL MALE CONNECTOR

DRAWING NUMBER:
M55-700XX42R to
M55-702XX42R

SHT
10
OF
14

Customer Information Sheet

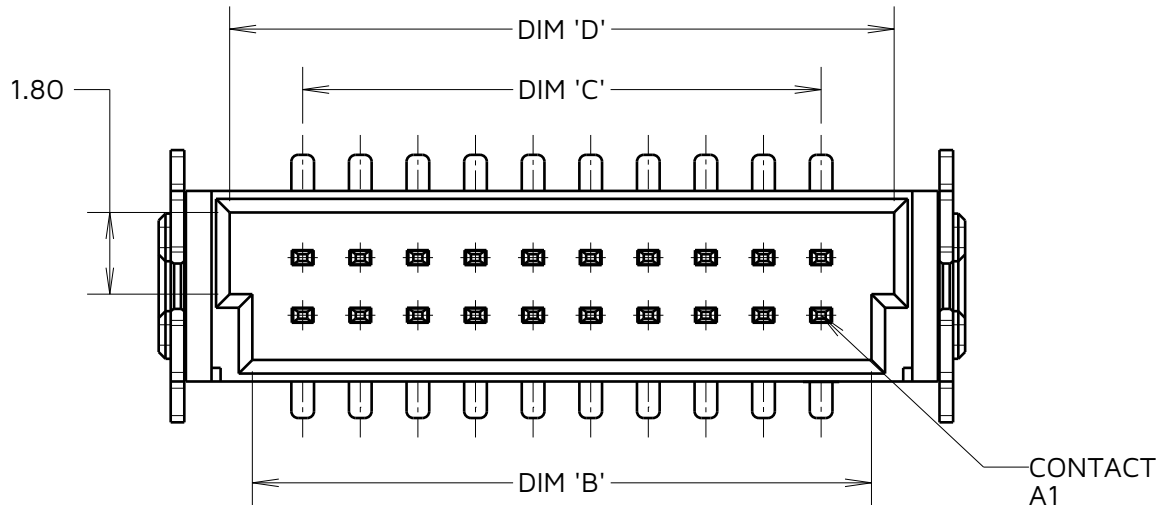
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SHEETS 7 to 10:
M55-700XX42R
M55-701XX42R
M55-702XX42R
SHEETS 11 to 14:
M55-705XX42R
M55-706XX42R
M55-707XX42R

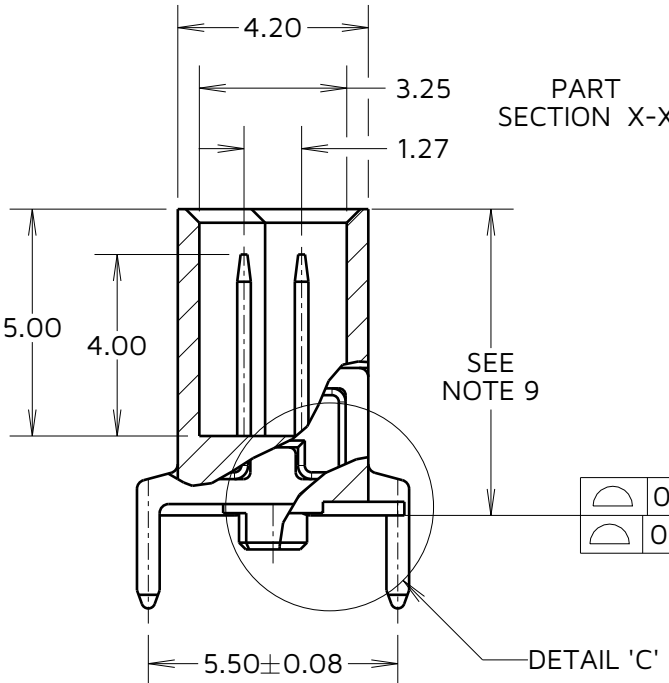
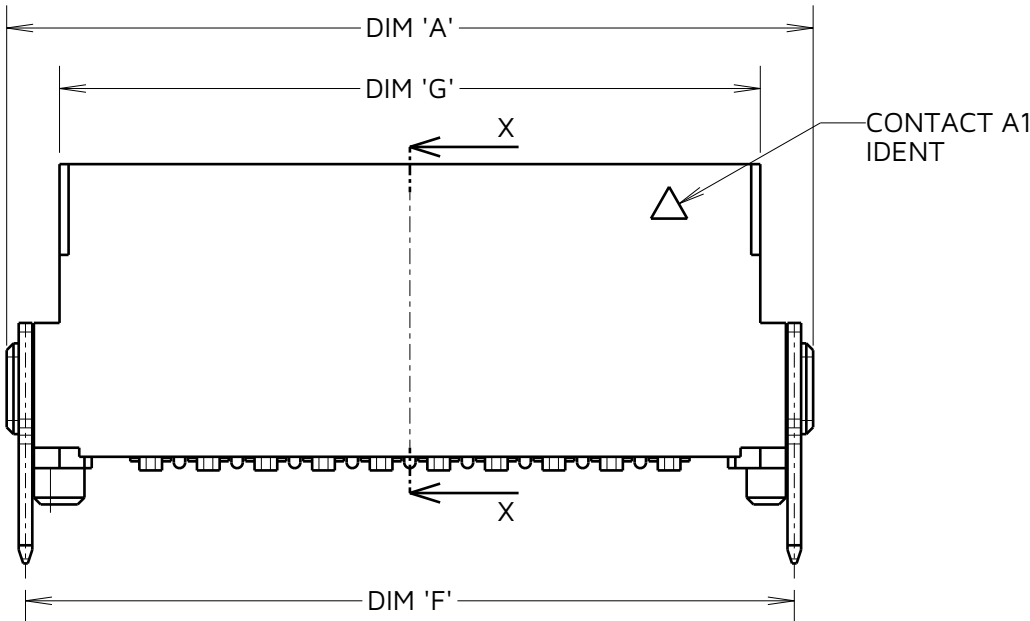
TABLE 5: CONNECTOR DIMENSIONS (X = 5, 6, 7)							
PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
M55-70X1242R	12.70	8.57	6.35	9.57	10.77	11.87	10.37
M55-70X1642R	15.24	11.11	8.89	12.11	13.31	14.41	12.91
M55-70X2042R	17.78	13.65	11.43	14.65	15.85	16.95	15.45
M55-70X2642R	21.59	17.46	15.24	18.46	19.66	20.76	19.26
M55-70X3242R	25.40	21.27	19.05	22.27	23.47	24.57	23.07
M55-70X4042R	30.48	26.35	24.13	27.35	28.55	29.65	28.15
M55-70X5042R	36.83	32.70	30.48	33.70	34.90	36.00	34.50
M55-70X6842R	48.26	44.13	41.91	45.13	46.33	47.43	45.93
M55-70X8042R	55.88	51.75	49.53	52.75	53.95	55.05	53.55

ORDER CODE:
M55-70XXX42R

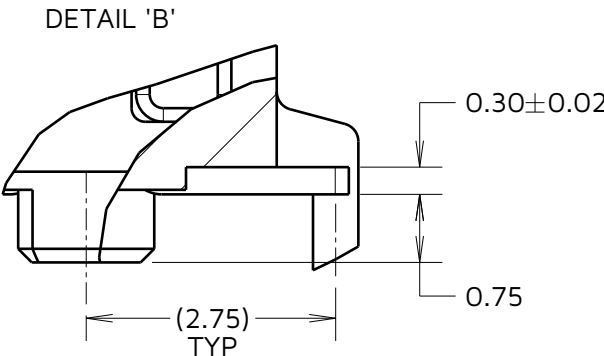
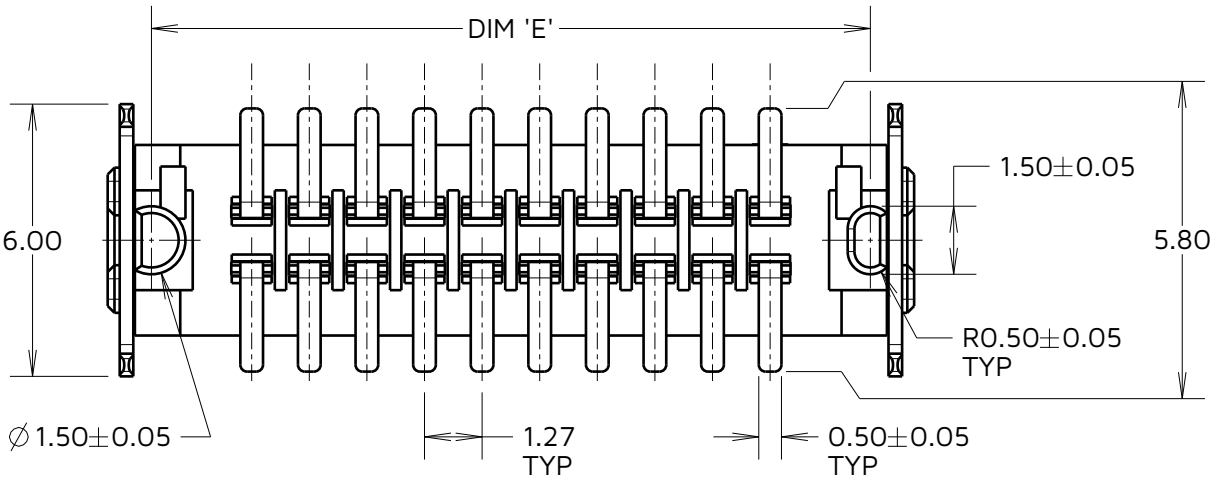
CONNECTOR HEIGHT:
SMT HARDWARE:
0 = 6.75mm
1 = 8.25mm
2 = 9.85mm

THR HARDWARE:
5 = 6.75mm
6 = 8.25mm
7 = 9.85mm

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



	0.10	12 - 50 CONTACTS
	0.15	68 - 80 CONTACTS



SPECIFICATIONS:
MATERIAL:
HOUSING = HIGH TEMP, LCP, UL94V-0
CONTACT = PHOSPHOR BRONZE
RETAINING STRAP = BRASS
PLATING:
CONTACT = GOLD OVER NICKEL ON CONTACT AREA,
TIN OVER NICKEL ON TAILS
RETAINING STRAP = TIN OVER NICKEL
PACKING:
TAPE & REEL
FOR COMPLETE SPECIFICATION, SEE COMPONENT
SPECIFICATION C047XX (LATEST ISSUE)

NOTES:
9. SEE ORDER CODE AND SHEET 12 FOR CONNECTOR HEIGHT AND
CAP DETAILS. SEE SHEET 14 FOR RECOMMENDED PCB LAYOUTS.
10. FOR TAPE AND REEL DETAILS, SEE SHEET 13.
11. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
12. COMPLETE SPECIFICATION PLEASE SEE COMPONENT SPECIFICATION
C047XX (LATEST ISSUE).

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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 = $\pm 5^\circ$
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MATERIAL & FINISH:

SEE ABOVE

TITLE:
**1.27mm PITCH VERTICAL
MALE CONNECTOR**

DRAWING NUMBER:
**M55-705XX42R to
M55-707XX42R**

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

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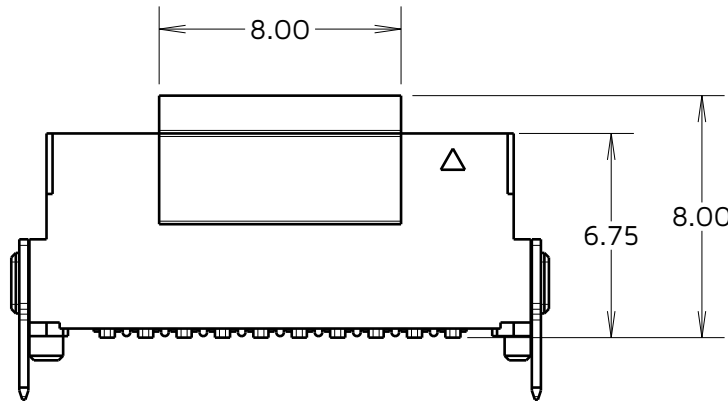
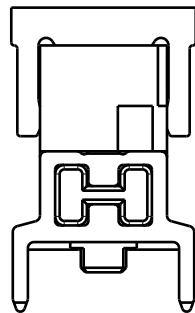
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THIRD ANGLE PROJECTION

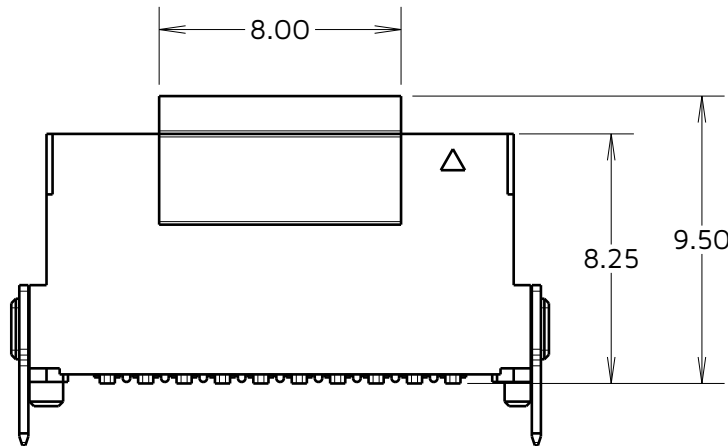
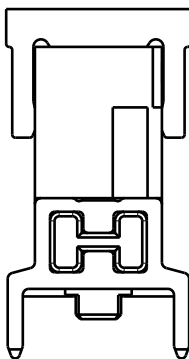
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

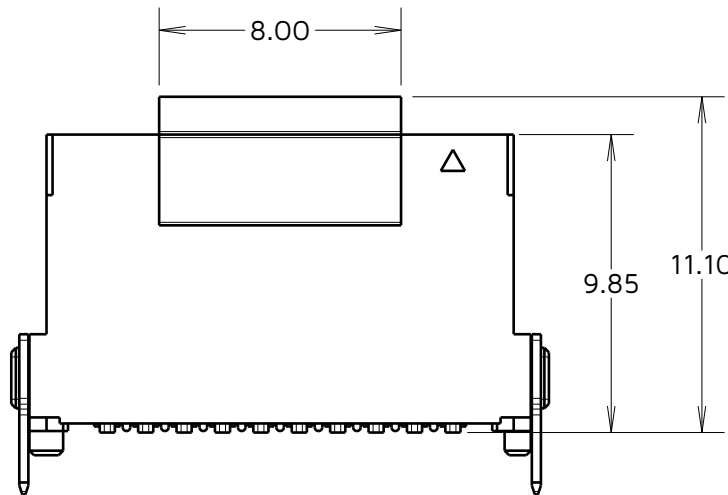
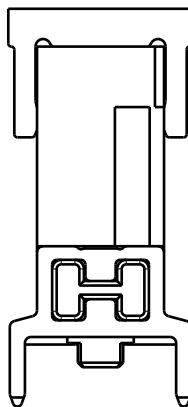
M55-705XX42R



M55-706XX42R



M55-707XX42R



NOTES:
13. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
14. PICK & PLACE CAP POSITIONED CENTRALLY.

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 = $\pm 5^\circ$

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MATERIAL & FINISH:

SEE SHEET 11

TITLE:

1.27mm PITCH VERTICAL
MALE CONNECTOR

DRAWING NUMBER:
M55-705XX42R to
M55-707XX42R

SHT
12
OF
14

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

IF IN DOUBT - ASK

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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR 12 TO 16 CONTACT CONNECTORS

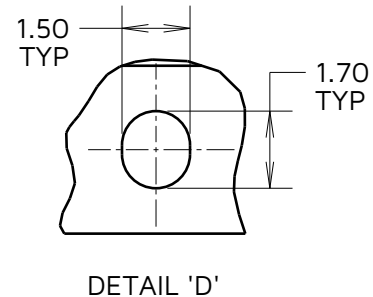
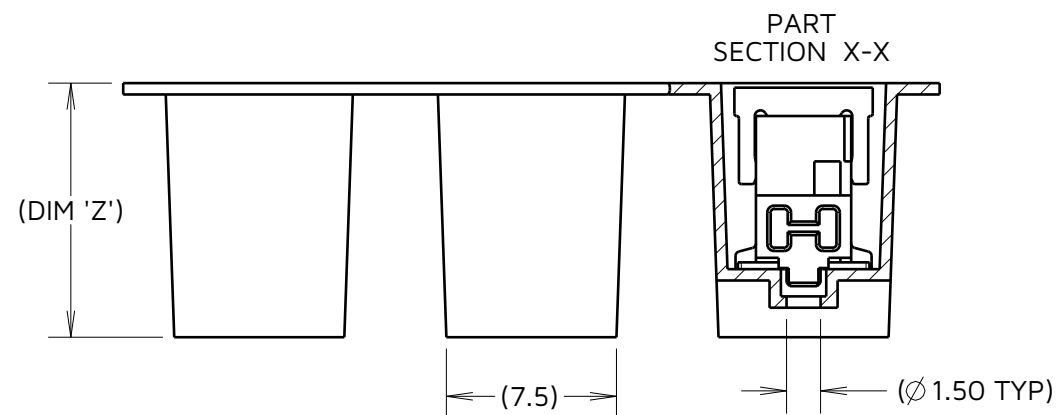
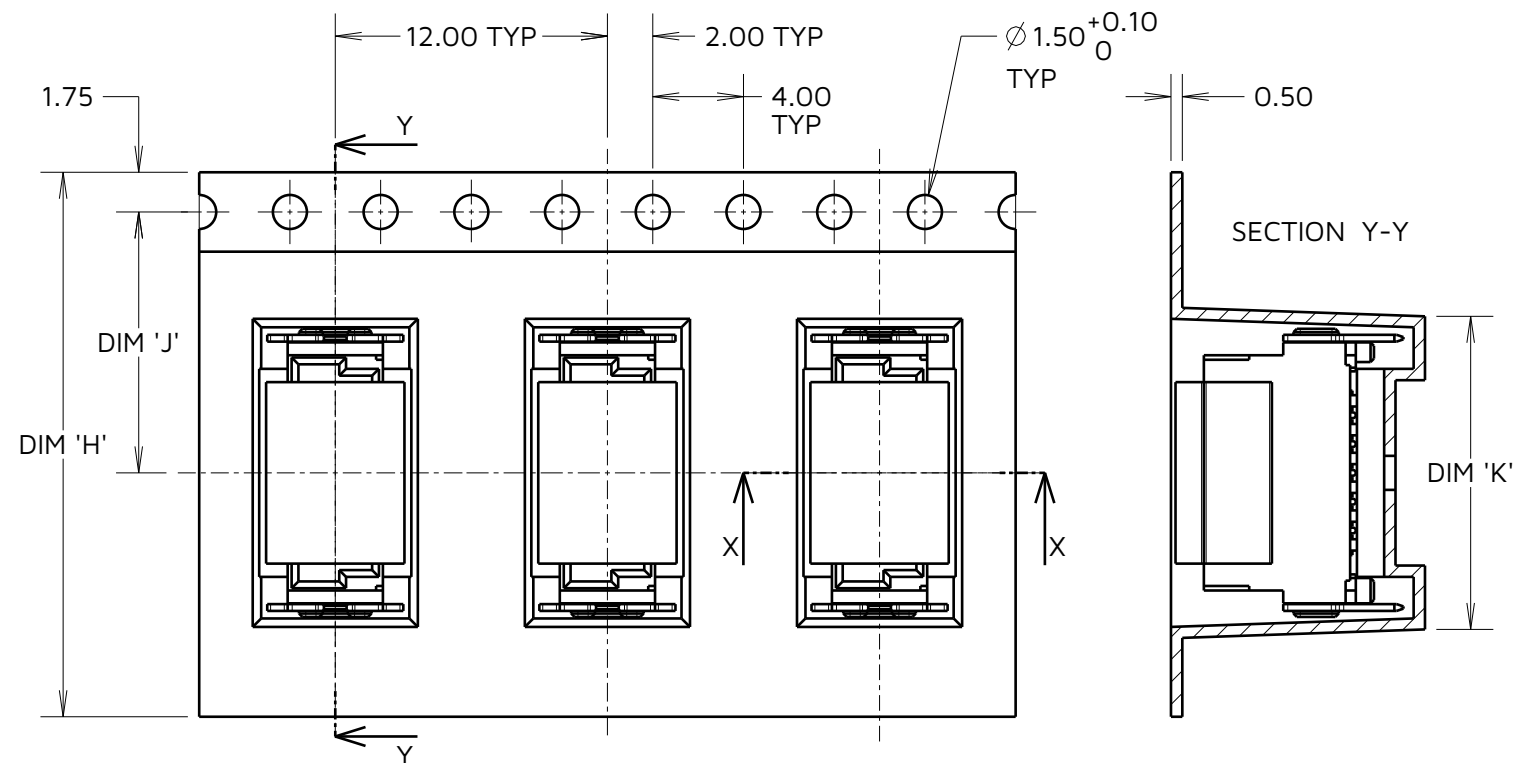


TABLE 6: PACKING TAPE DETAILS 1 (X = 5, 6, 7)

PART No.	DIMENSIONS			
	DIM 'H' ±0.30	DIM 'J'	DIM 'K'	DIM 'L'
M55-70X1242R	24.00	11.50	13.8	-
M55-70X1642R	24.00	11.50	16.3	-
M55-70X2042R	32.00	14.20	18.9	28.40
M55-70X2642R	44.00	20.20	22.7	40.40
M55-70X3242R	44.00	20.20	26.5	40.40
M55-70X4042R	44.00	20.20	31.6	40.40
M55-70X5042R	56.00	26.20	37.9	52.40
M55-70X6842R	72.00	34.20	49.4	68.40
M55-70X8042R	72.00	34.20	57.0	68.40

TABLE 7: PACKING TAPE DETAILS 2

PART No.	DIMENSIONS	PACK QTY (PCS)
	DIM 'Z'	
M55-705XX42R	11.2	430
M55-706XX42R	12.7	370
M55-707XX42R	14.3	250

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED:		A.YEOMANS	
DRAWN:		M.PERREN	

ORDER CODE:

M55-70XXX42R

CONNECTOR HEIGHT:-

SMT HARDWARE:

$$0 = 6.75\text{mm}$$
$$1 = 8.25\text{mm}$$

2 = 9.85mm

THR HARDWARE:

$$5 = 6.75\text{mm}$$

6 = 8.25mm

7 = 9.85mm

TOTAL No. OF CONTACTS:-

12. 16. 20. 26.

32, 40, 50, 68, 80

NOTES:

15. PRODUCT IS TAPE AND REELED IN GENERAL ACCORDANCE WITH EIA-481 (ELECTRONIC INDUSTRIES ASSOCIATION).

16. FOR CONNECTOR DETAILS, SEE SHEET 11 & 12.

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

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MATERIAL & FINISH:

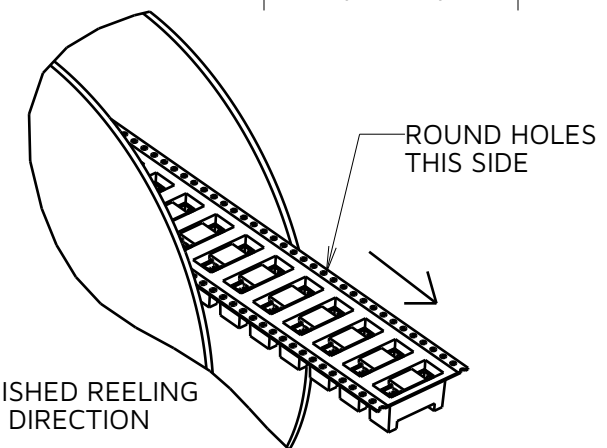
SEE SHEET 11

TITLE:

1.27mm PITCH VERTICAL
MALE CONNECTOR

DRAWING NUMBER:
M55-705XX42R to
M55-707XX42R

SHT
13
OF
14



Customer Information Sheet

IF IN DOUBT - ASK

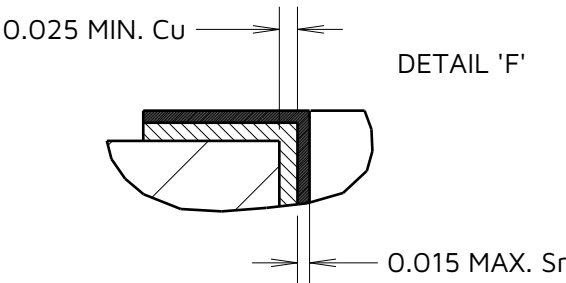
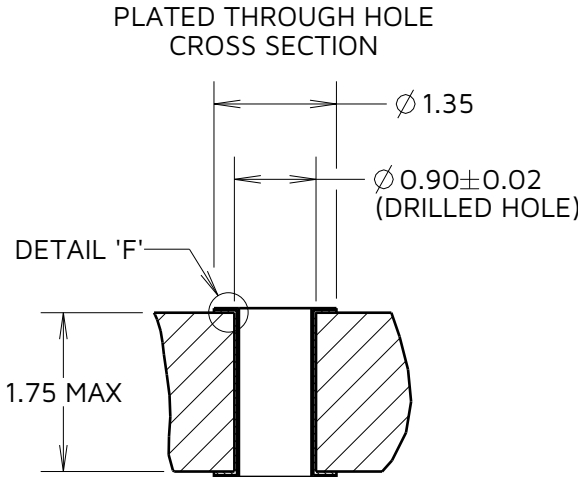
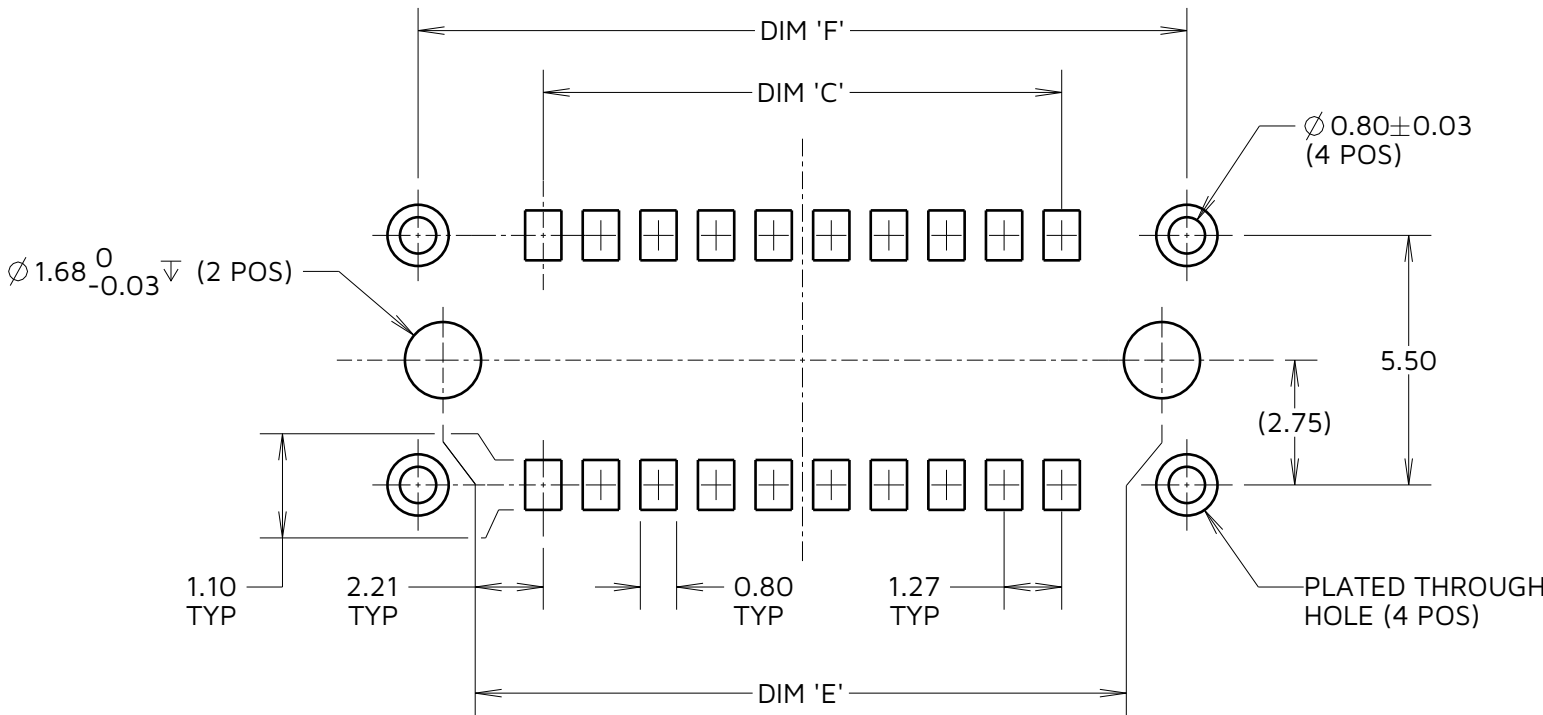
©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

RECOMMENDED PCB LAYOUT TOLERANCE = ± 0.05 UNLESS STATED



ORDER CODE:

M55-70XXX42R

CONNECTOR HEIGHT:

SMT HARDWARE:

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

THR HARDWARE:

- 5 = 6.75mm
- 6 = 8.25mm
- 7 = 9.85mm

TOTAL No. OF CONTACTS:

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

TABLE 8: PCB DIMENSIONS (X = 5, 6, 7)

PART No.	DIM 'C'	DIM 'E'	DIM 'F'
M55-70X1242R	6.35	10.77	11.87
M55-70X1642R	8.89	13.31	14.41
M55-70X2042R	11.43	15.85	16.95
M55-70X2642R	15.24	19.66	20.76
M55-70X3242R	19.05	23.47	24.57
M55-70X4042R	24.13	28.55	29.65
M55-70X5042R	30.48	34.90	36.00
M55-70X6842R	41.91	46.33	47.43
M55-70X8042R	49.53	53.95	55.05

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

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MATERIAL & FINISH:

SEE SHEET 11

TITLE:

1.27mm PITCH VERTICAL
MALE CONNECTOR

DRAWING NUMBER:
M55-705XX42R to
M55-707XX42R

SHT
14
OF
14

RA	9	28.01.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			