

Customer Information Sheet

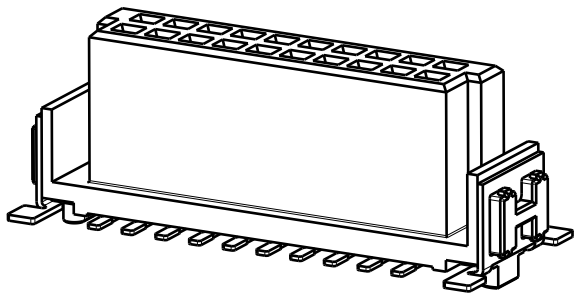
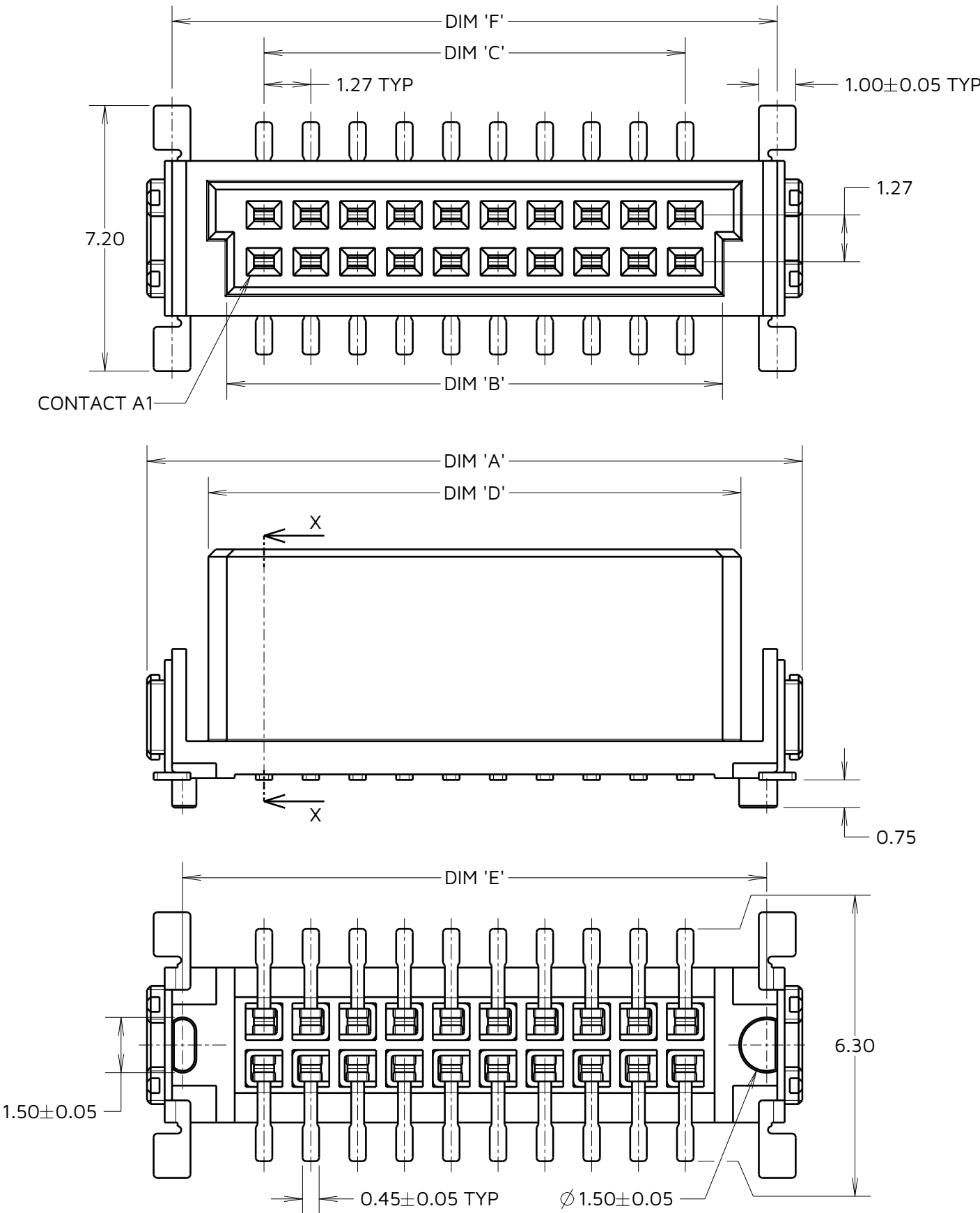
IF IN DOUBT - ASK

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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



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

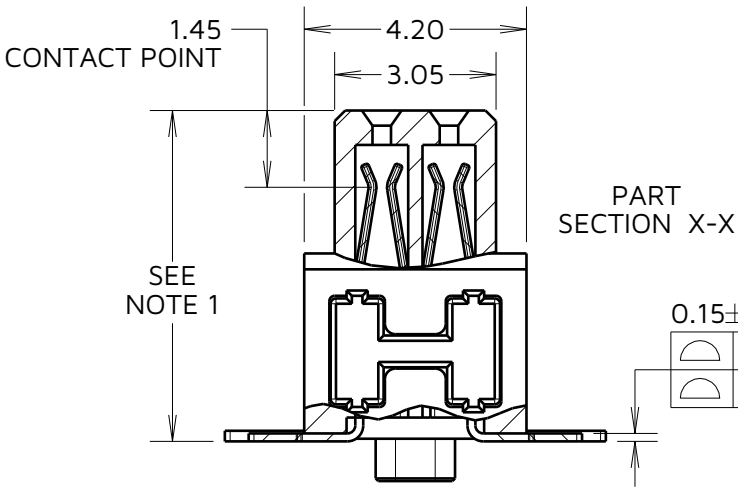
FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C047XX (LATEST ISSUE)

ORDER CODE:
M55-60XXX42R

CONNECTOR HEIGHT:
SMT HARDWARE:
0 = 6.25mm
1 = 9.05mm
2 = 13.65mm

THR HARDWARE:
5 = 6.25mm
6 = 9.05mm
7 = 13.65mm

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



0.15±0.02	0.1	12 - 50 CONTACTS
0.15	0.15	68 - 80 CONTACTS

SHEETS 7 to 10:
M55-600XX42R
M55-601XX42R
M55-602XX42R
SHEETS 11 to 14:
M55-605XX42R
M55-606XX42R
M55-607XX42R

TABLE 1: CONNECTOR DIMENSIONS (X = 0, 1, 2)						
PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'
M55-60X1242R	12.70	8.37	6.35	9.37	10.77	11.34
M55-60X1642R	15.24	10.91	8.89	11.91	13.31	13.88
M55-60X2042R	17.78	13.45	11.43	14.45	15.85	16.42
M55-60X2642R	21.59	17.26	15.24	18.26	19.66	20.23
M55-60X3242R	25.40	21.07	19.05	22.07	23.47	24.04
M55-60X4042R	30.48	26.15	24.13	27.15	28.55	29.12
M55-60X5042R	36.83	32.50	30.48	33.50	34.90	35.47
M55-60X6842R	48.26	43.93	41.91	44.93	46.33	46.90
M55-60X8042R	55.88	51.55	49.53	52.55	53.95	54.52

- 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.
 - FOR COMPLETE SPECIFICATION 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

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MATERIAL & FINISH:

SEE ABOVE

TITLE:
1.27mm PITCH VERTICAL FEMALE CONNECTOR

DRAWING NUMBER:
M55-600XX42R to M55-602XX42R

RA	10	07.02.25	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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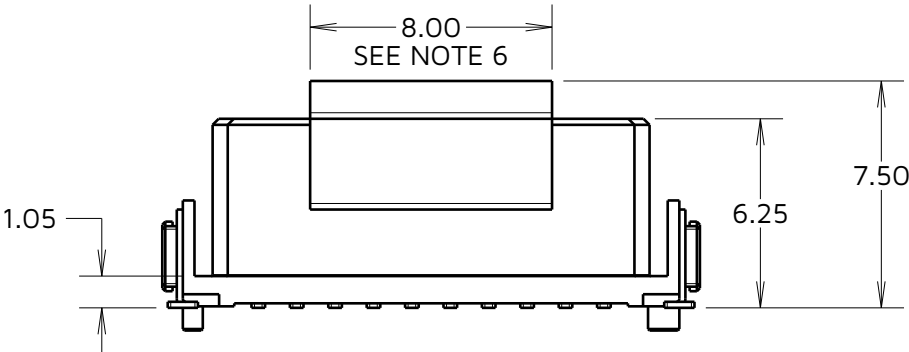
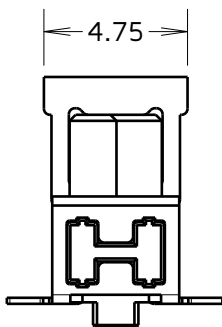
NOT TO SCALE

THIRD ANGLE PROJECTION

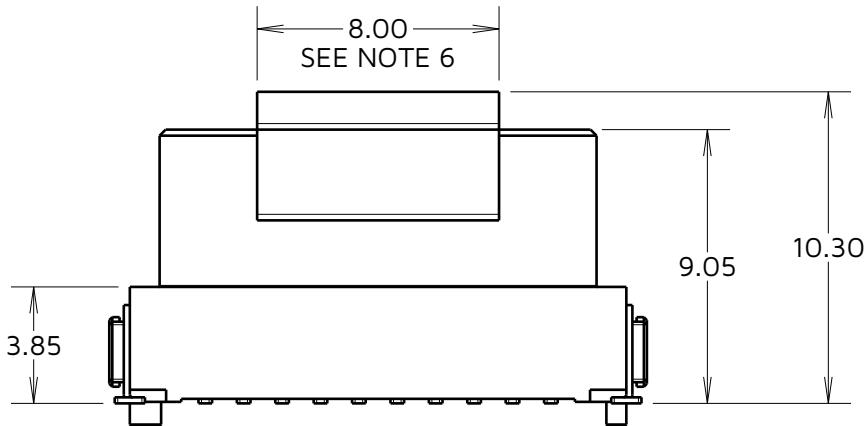
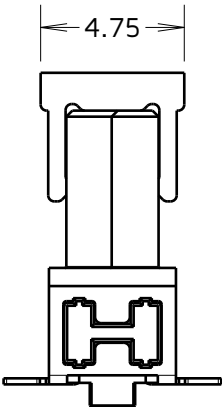
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

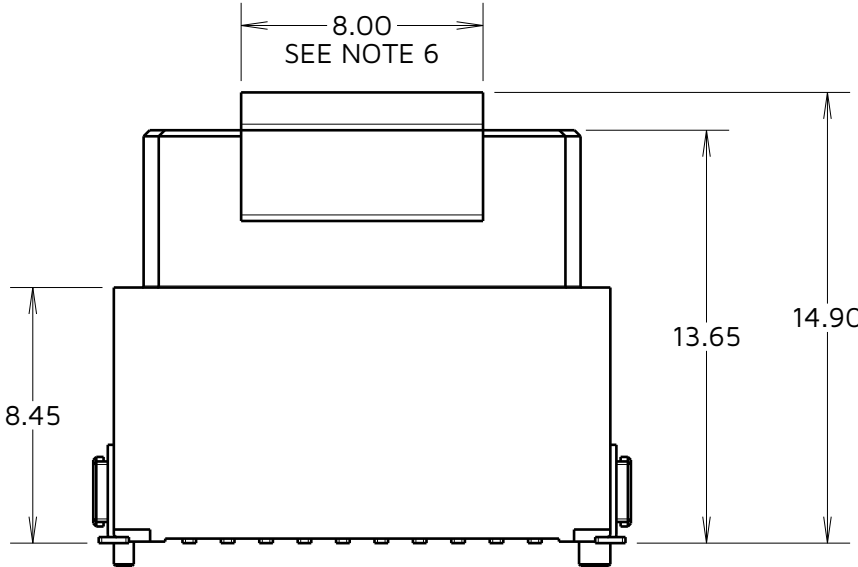
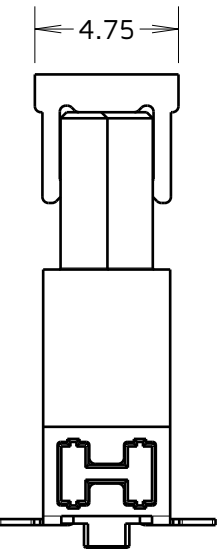
M55-600XX42R



M55-601XX42R



M55-602XX42R



NOTES:
5. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
6. 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 7

TITLE:

1.27mm PITCH VERTICAL FEMALE CONNECTOR

DRAWING NUMBER:
M55-600XX42R to
M55-602XX42R

SHT
8
OF
14

RA	10	07.02.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

IF IN DOUBT - ASK

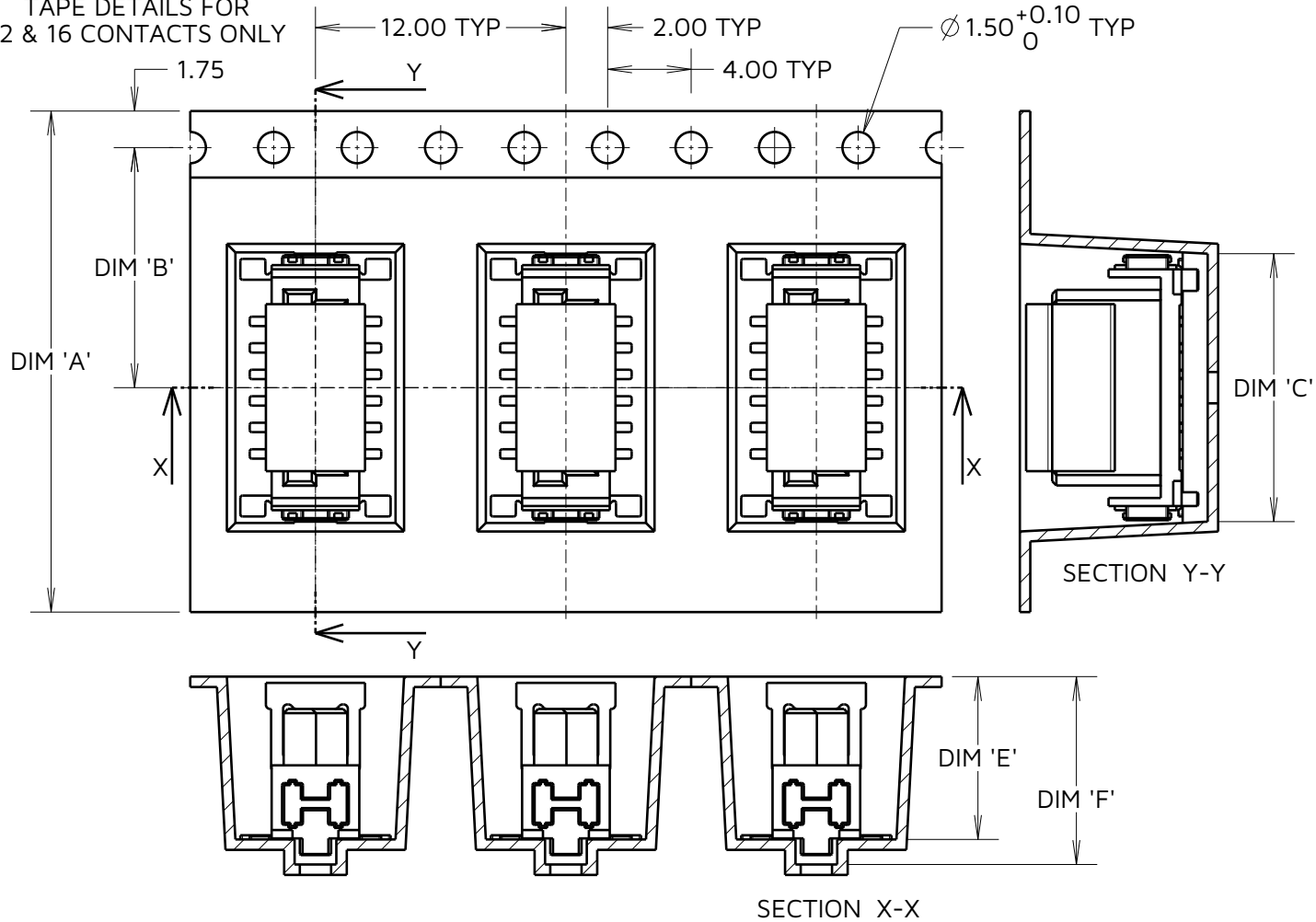
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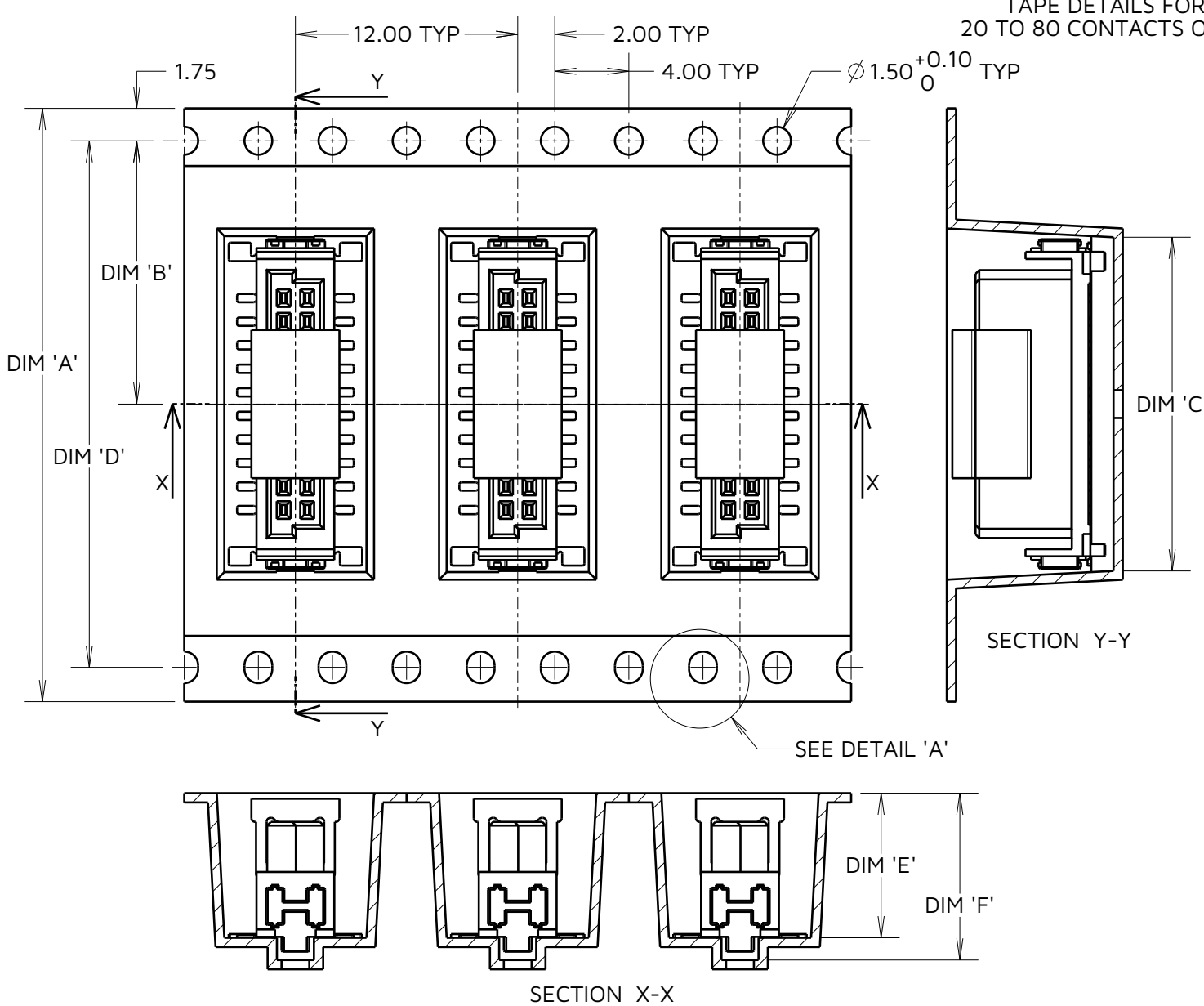
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR
12 & 16 CONTACTS ONLY



TAPE DETAILS FOR
20 TO 80 CONTACTS ONLY



ORDER CODE:

M55-60XXX42R

CONNECTOR HEIGHT:

SMT HARDWARE:

0 = 6.25mm

1 = 9.05mm

2 = 13.65mm

THR HARDWARE:

5 = 6.25mm

6 = 9.05mm

7 = 13.65mm

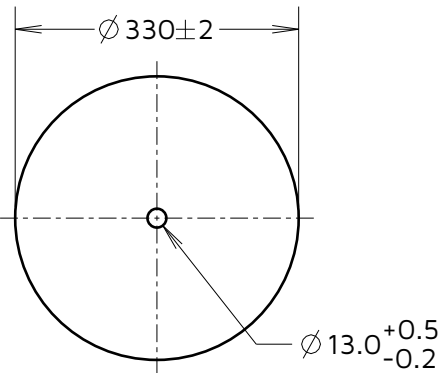
TOTAL No. OF CONTACTS:

12, 16, 20, 26,

32, 40, 50, 68, 80

FINISHED REELING
DIRECTION

ROUND HOLES
THIS SIDE



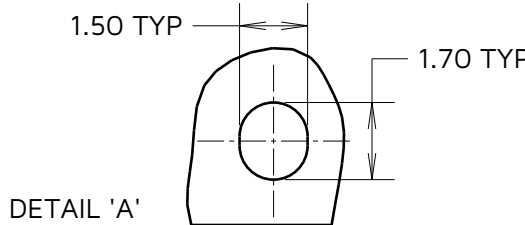
REEL DETAILS

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'
M55-60X1242R	24.00	11.50	12.90	N/A
M55-60X1642R				
M55-60X2042R	32.00	14.20	18.00	28.40
M55-60X2642R	44.00	20.20	21.79	40.40
M55-60X3242R				
M55-60X4042R				
M55-60X5042R	56.00	26.20	37.03	52.40
M55-60X6842R	72.00	34.20	48.46	68.40
M55-60X8042R			56.08	

TABLE 3: PACKING TAPE DETAILS 2

PART No.	DIMENSION		PACK QTY (PCS)
	DIM 'E'	DIM 'F'	
M55-600XX42R	7.8	9.0	550
M55-601XX42R	10.6	11.7	400
M55-602XX42R	15.2	16.4	200



NOTES:

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

8. FOR CONNECTOR DETAILS, SEE SHEET 4 & 5.

HARWIN

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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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ANY OTHER PURPOSE WITHOUT THEIR
WRITTEN PERMISSION.

MATERIAL & FINISH:

SEE SHEET 7

TITLE:

1.27mm PITCH VERTICAL
FEMALE CONNECTOR

DRAWING NUMBER:

M55-600XX42R to
M55-602XX42R

RA	10	07.02.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

SHT
9
OF
14

Customer Information Sheet

IF IN DOUBT - ASK

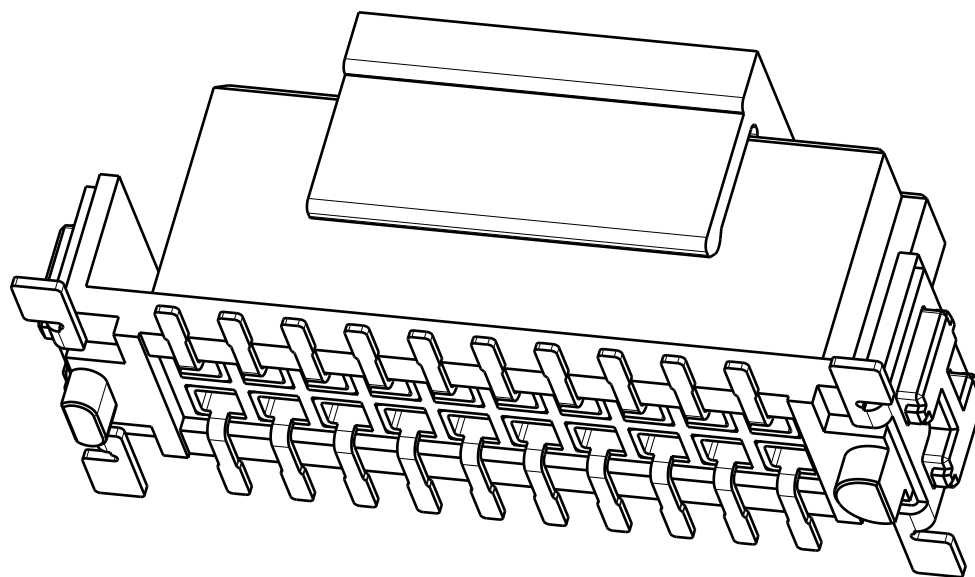
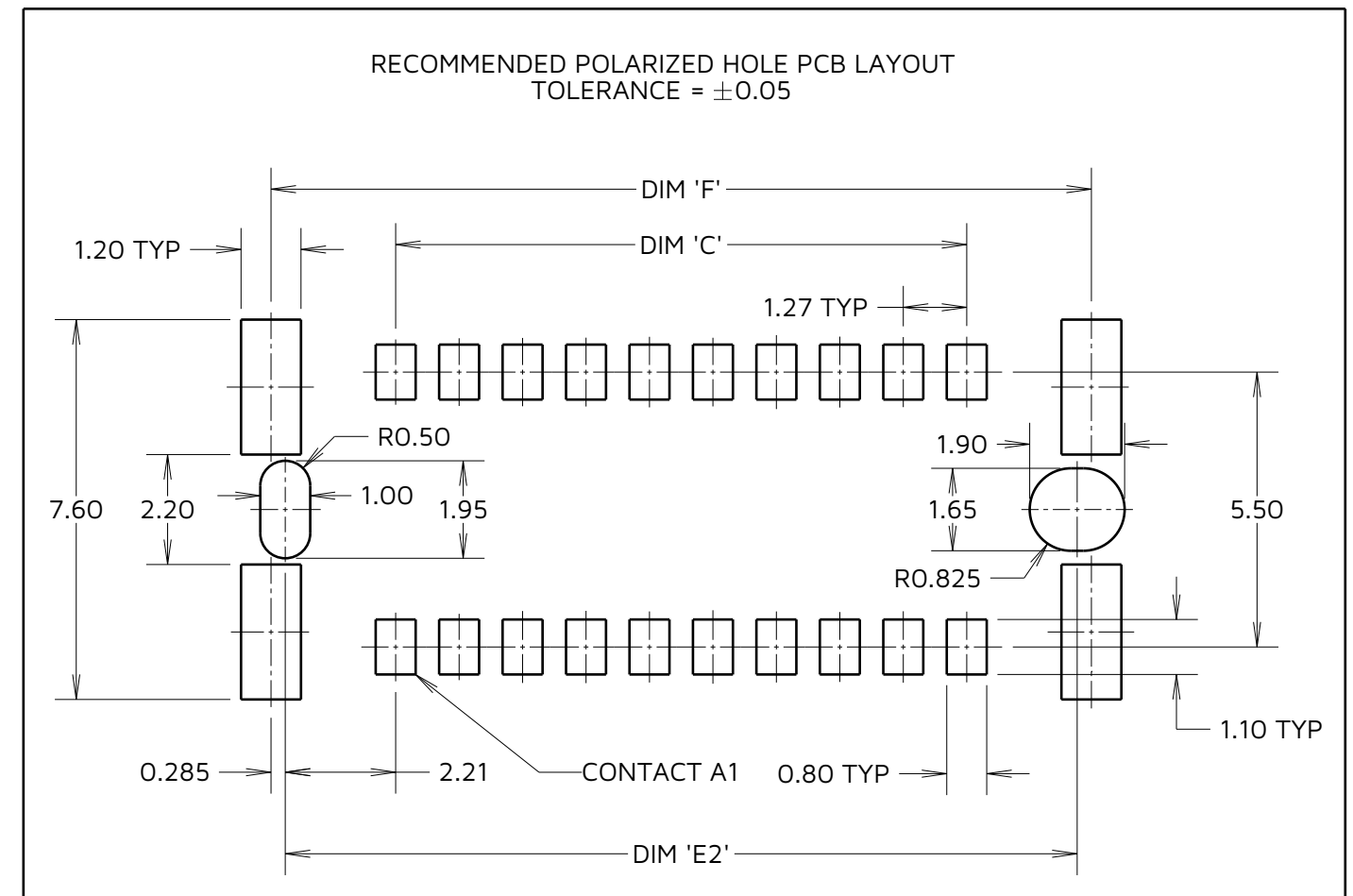
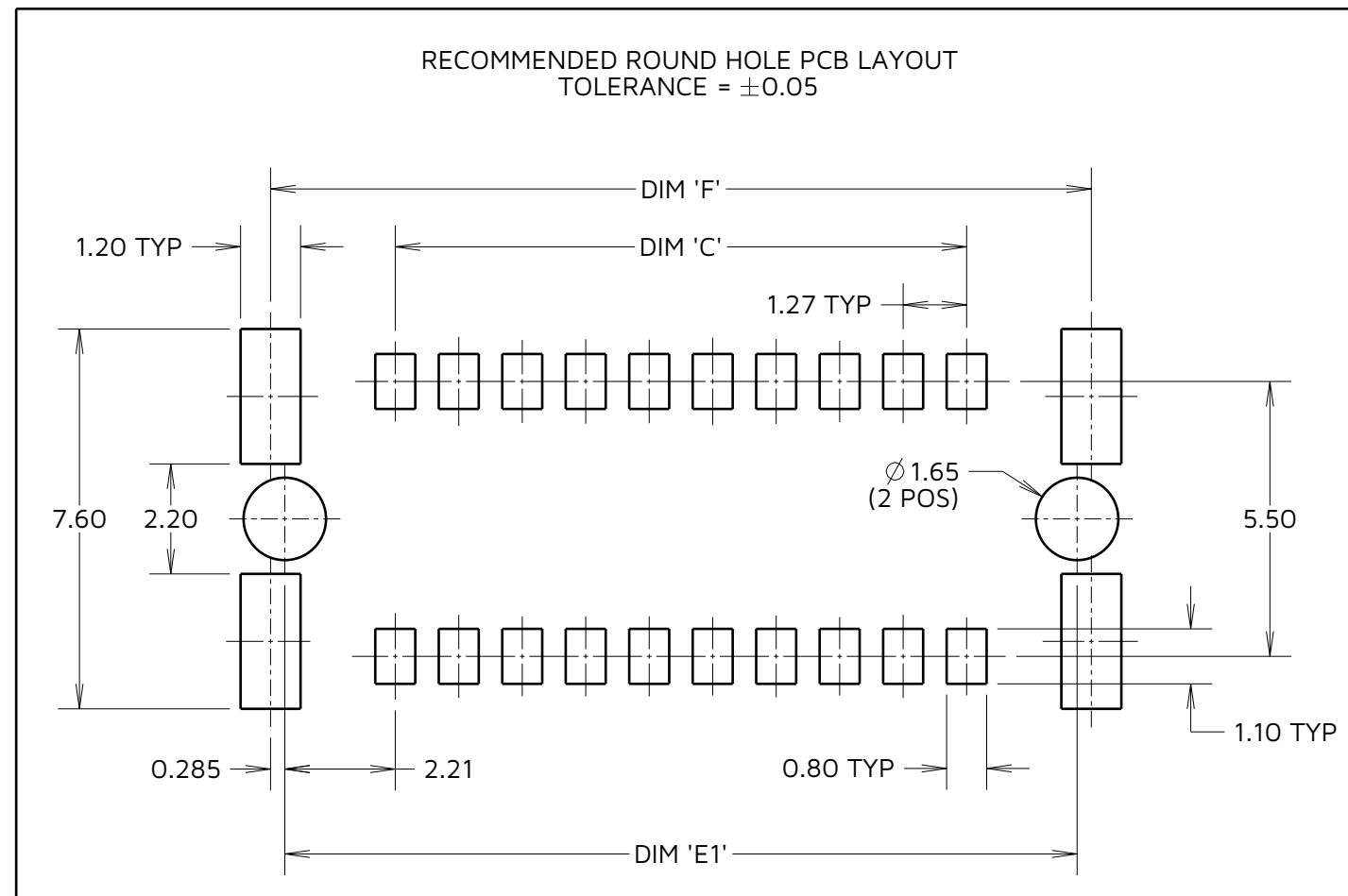
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

ROUND AND POLARIZED RECOMMENDED PCB LAYOUTS OPTIONS



ORDER CODE:

M55-60XXX42R

CONNECTOR HEIGHT:-

SMT HARDWARE:

 $0 = 6.25\text{mm}$

1 = 9.05mm

2 = 13.65mm

THR HARDWARE:

$$5 = 6.25\text{mm}$$

6 = 9.05mm

7 = 13.65mm

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'
M55-60X1242R	6.35	10.77	10.70	11.34
M55-60X1642R	8.89	13.31	13.24	13.88
M55-60X2042R	11.43	15.85	15.78	16.42
M55-60X2642R	15.24	19.66	19.59	20.23
M55-60X3242R	19.05	23.47	23.40	24.04
M55-60X4042R	24.13	28.55	28.48	29.12
M55-60X5042R	30.48	34.90	34.83	35.47
M55-60X6842R	41.91	46.33	46.26	46.90
M55-60X8042R	49.53	53.95	53.88	54.52

RA	10	07.02.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED:		A.YEOMANS	
DRAWN:		M.PERREN	

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

SEE SHEET 7

TITLE:

1.27mm PITCH VERTICAL
FEMALE CONNECTOR

DRAWING NUMBER:
M55-600XX42R to
M55-602XX42R

SHT
10
OF
14

Customer Information Sheet

IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

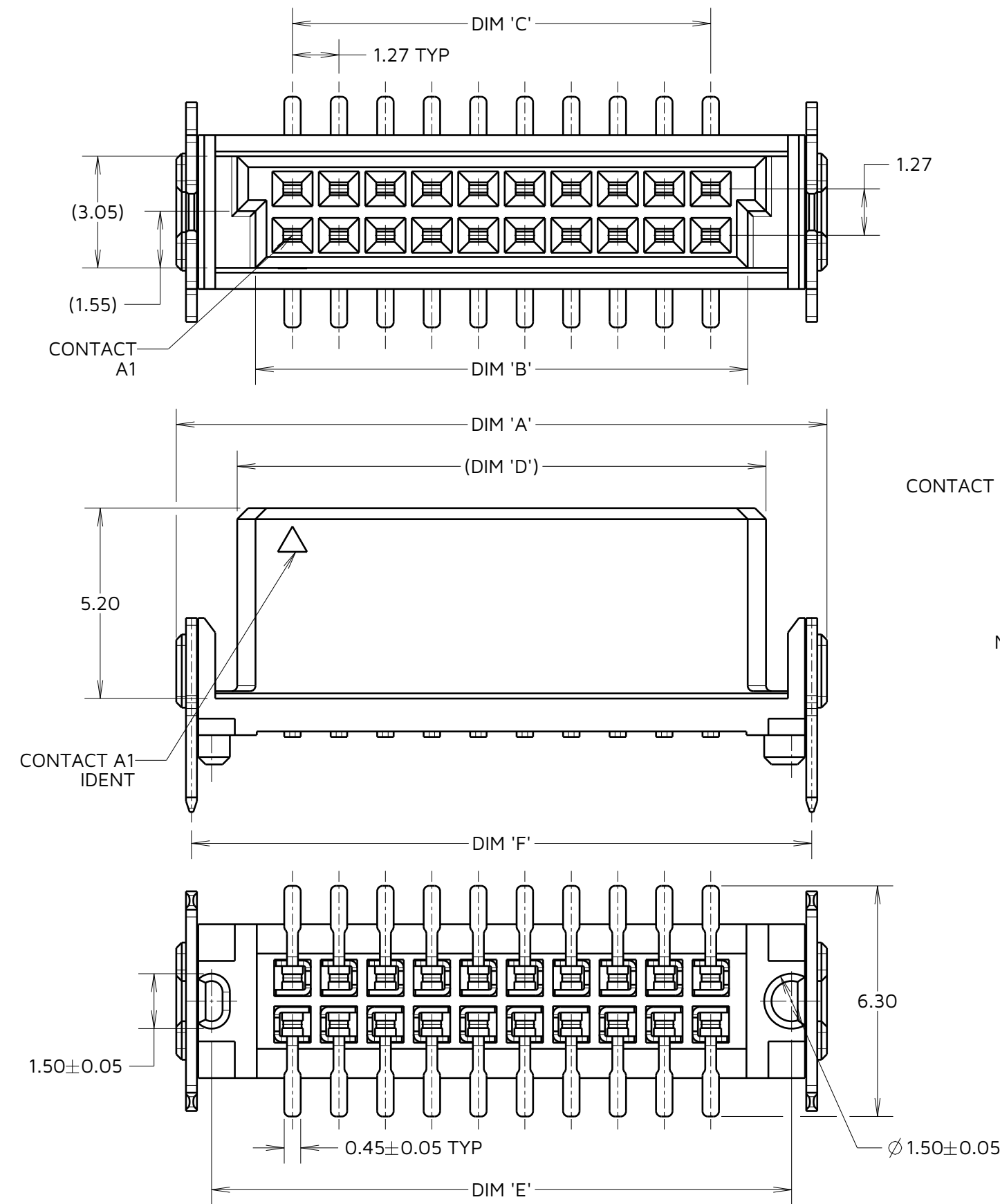
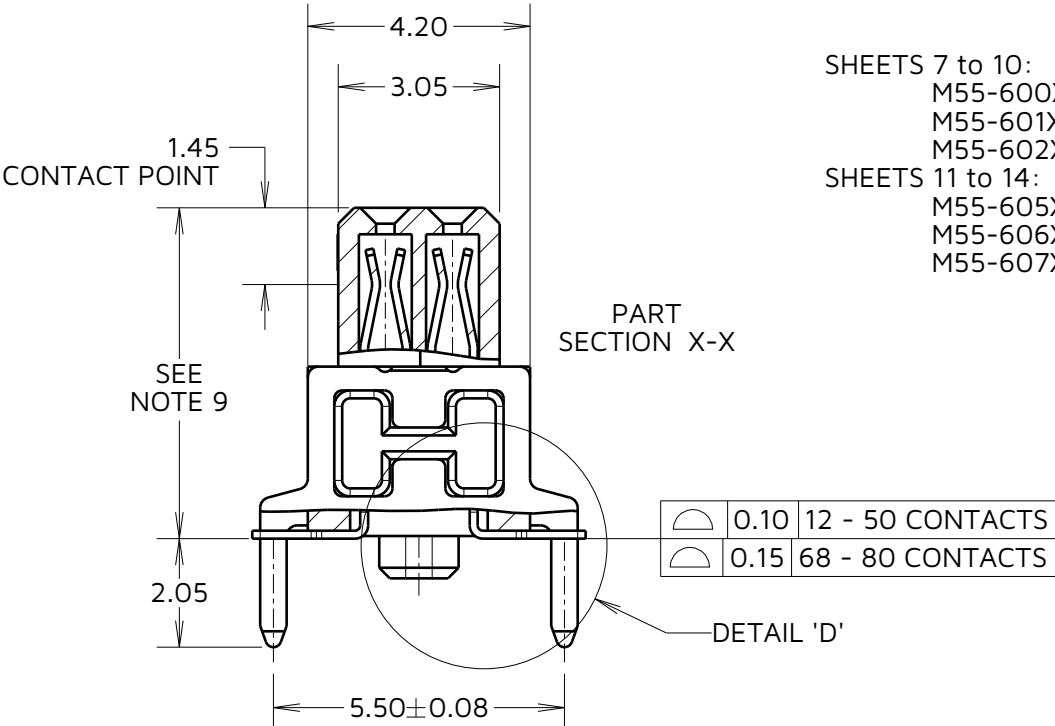


TABLE 5: CONNECTOR DIMENSIONS (X = 5, 6, 7)							
PART No.	DIM 'A'	DIM 'B'	DIM 'C'	DIM 'D'	DIM 'E'	DIM 'F'	DIM 'G'
M55-60X1242R	12.70	8.37	6.35	9.37	10.77	11.87	10.57
M55-60X1642R	15.24	10.91	8.89	11.91	13.31	14.41	13.11
M55-60X2042R	17.78	13.45	11.43	14.45	15.85	16.95	15.65
M55-60X2642R	21.59	17.26	15.24	18.26	19.66	20.76	19.46
M55-60X3242R	25.40	21.07	19.05	22.07	23.47	24.57	23.27
M55-60X4042R	30.48	26.15	24.13	27.15	28.55	29.65	28.35
M55-60X5042R	36.83	32.50	30.48	33.50	34.90	36.00	34.70
M55-60X6842R	48.26	43.93	41.91	44.93	46.33	47.43	46.13
M55-60X8042R	55.88	51.55	49.53	52.55	53.95	55.05	53.75



SHEETS 7 to 10:
M55-600XX42R
M55-601XX42R
M55-602XX42R
SHEETS 11 to 14:
M55-605XX42R
M55-606XX42R
M55-607XX42R

ORDER CODE:
M55-60XXX42R

CONNECTOR HEIGHT:
SMT HARDWARE:
0 = 6.25mm
1 = 9.05mm
2 = 13.65mm

THR HARDWARE:
5 = 6.25mm
6 = 9.05mm
7 = 13.65mm

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

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).

HARWIN
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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 ABOVE

TITLE:
1.27mm PITCH VERTICAL FEMALE CONNECTOR

DRAWING NUMBER:
M55-605XX42R to M55-607XX42R

SHT 11 OF 14

RA	10	07.02.25	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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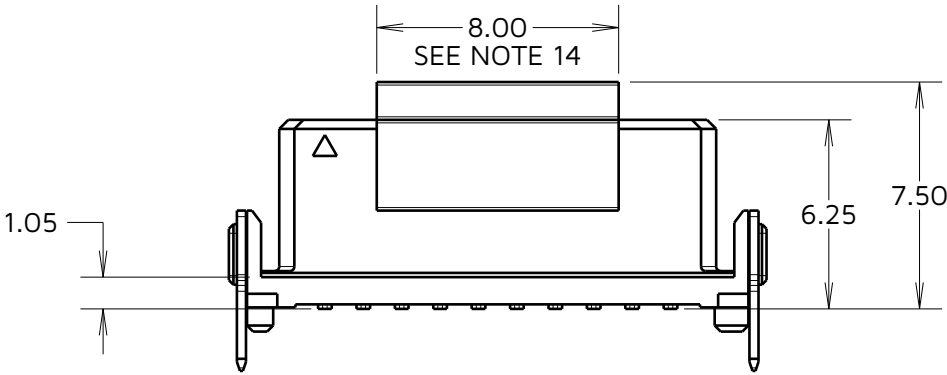
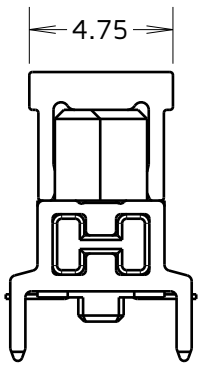
NOT TO SCALE

THIRD ANGLE PROJECTION

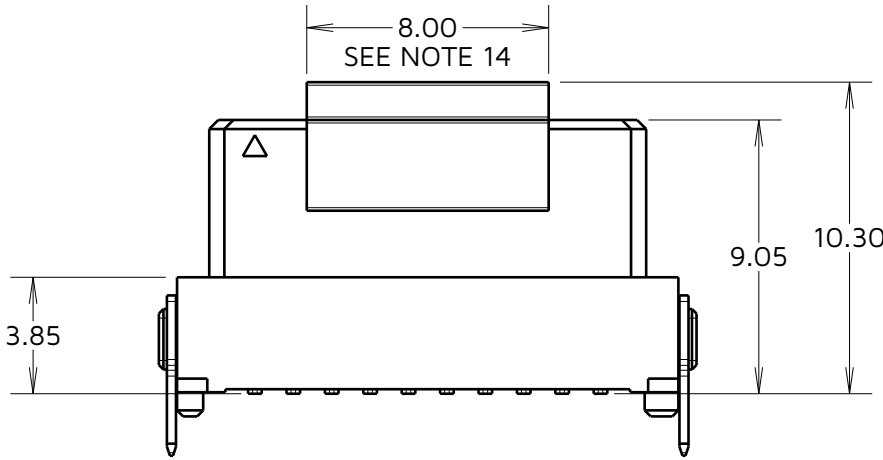
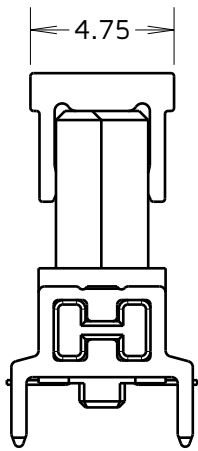
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

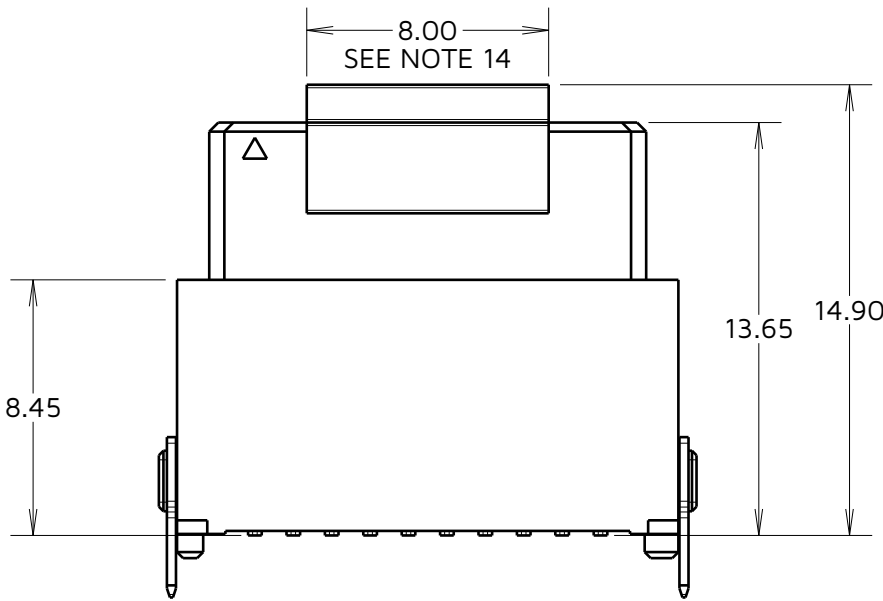
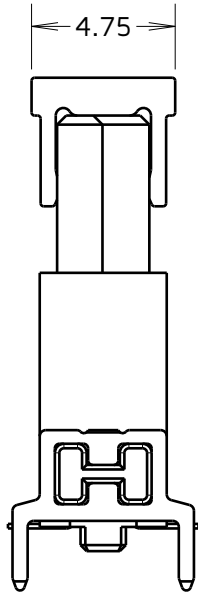
M55-605XX42R



M55-606XX42R



M55-607XX42R



NOTES:
13. ALL TOLERANCES ARE ± 0.20 , UNLESS OTHERWISE STATED.
14. 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 = $\pm 5^\circ$

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MATERIAL & FINISH:

SEE SHEET 11

TITLE:

1.27mm PITCH VERTICAL FEMALE CONNECTOR

DRAWING NUMBER:
M55-605XX42R to
M55-607XX42R

SHT
12
OF
14

RA	10	07.02.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

Customer Information Sheet

IF IN DOUBT - ASK

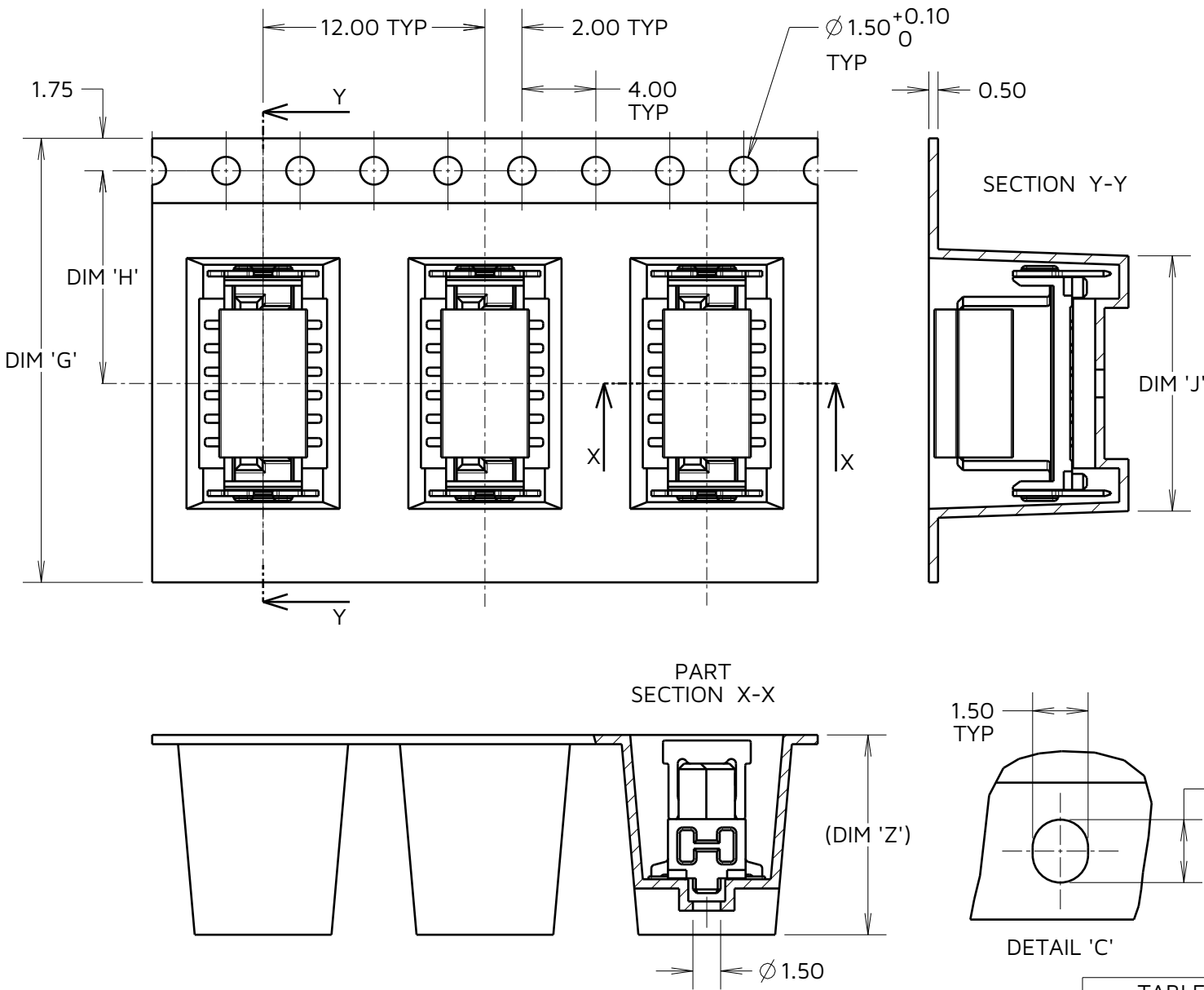
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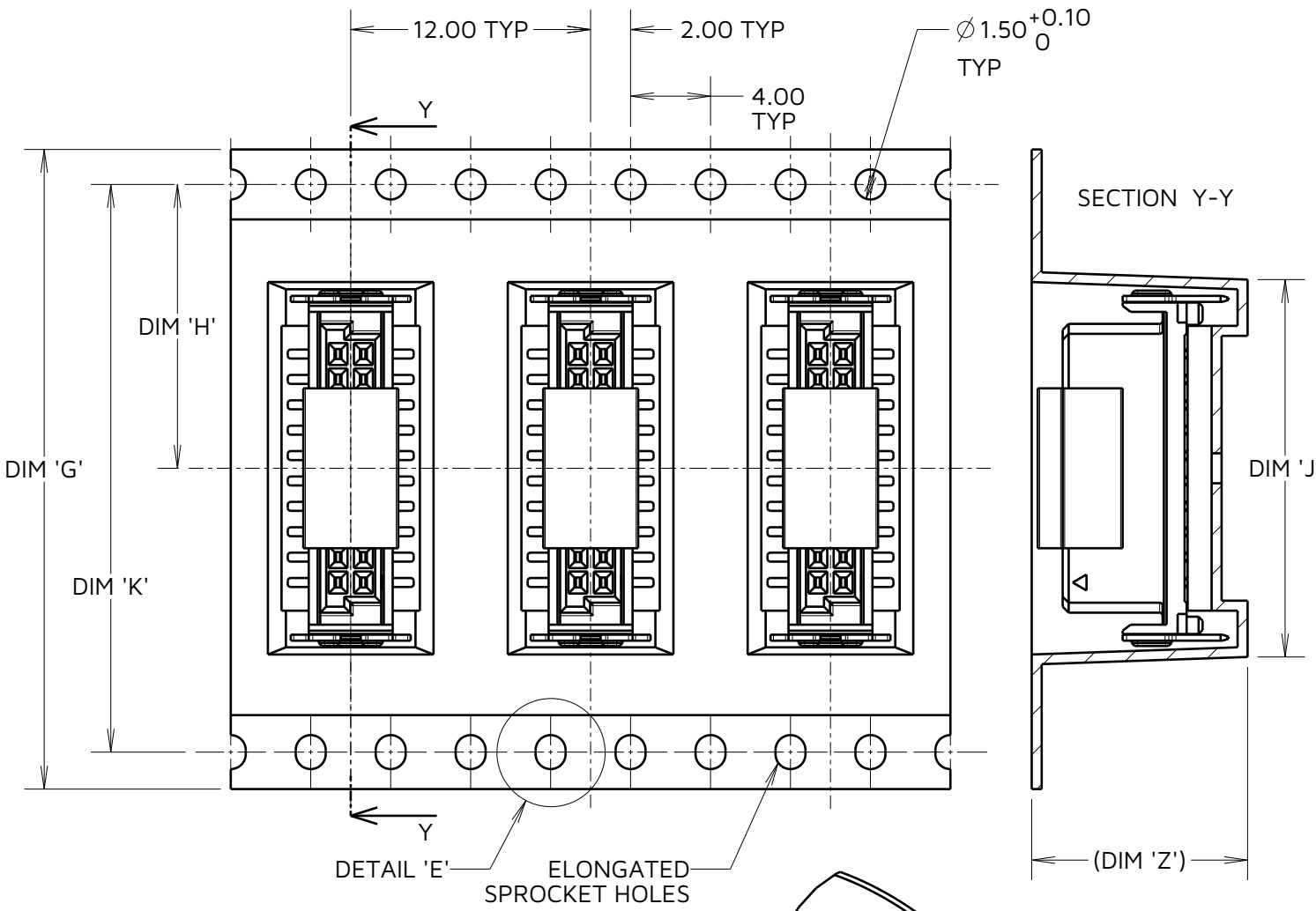
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR 12 TO 16 CONTACT CONNECTORS



TAPE DETAILS FOR 20 TO 80 CONTACT CONNECTORS



ORDER CODE:
M55-60XXX42R

CONNECTOR HEIGHT:
SMT HARDWARE:
0 = 6.25mm
1 = 9.05mm
2 = 13.65mm

THR HARDWARE:
5 = 6.25mm
6 = 9.05mm
7 = 13.65mm

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

REEL DETAILS

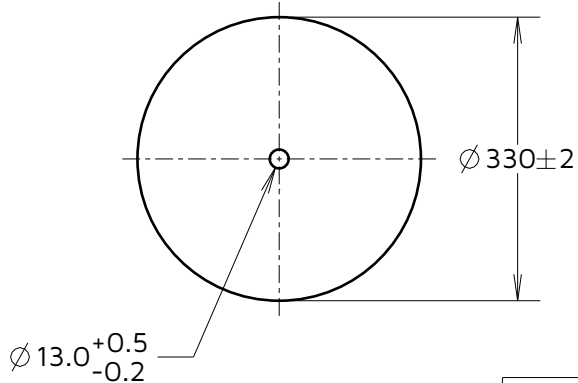


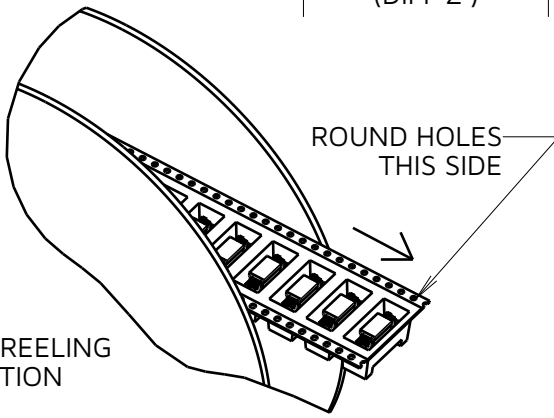
TABLE 6: PACKING TAPE DETAILS 1 (X = 5, 6, 7)

PART No.	DIMENSIONS			
	DIM 'G' ±0.30	DIM 'H'	DIM 'J'	DIM 'K'
M55-60X1242R	24.00	11.50	13.8	-
M55-60X1642R	24.00	11.50	16.3	-
M55-60X2042R	32.00	14.20	18.9	28.40
M55-60X2642R	44.00	20.20	22.7	40.40
M55-60X3242R	44.00	20.20	26.5	40.40
M55-60X4042R	44.00	20.20	31.6	40.40
M55-60X5042R	56.00	26.20	37.9	52.40
M55-60X6842R	72.00	34.20	49.4	68.40
M55-60X8042R	72.00	34.20	57.0	68.40

TABLE 7: PACKING TAPE DETAILS 2

PART No.	DIMENSIONS	PACK QTY (PCS)
	DIM 'Z'	
M55-605XX42R	10.7	450
M55-606XX42R	13.5	350
M55-607XX42R	18.1	180

FINISHED REELING
DIRECTION



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

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MATERIAL & FINISH:

SEE SHEET 11

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

DRAWING NUMBER:
**M55-605XX42R to
M55-607XX42R**

RA	10	07.02.25	35548
NAME	ISS.	DATE	CN/CO
APPROVED: R.ALEXANDER			
CHECKED: A.YEOMANS			
DRAWN: M.PERREN			

SHT
13
OF
14

Customer Information Sheet

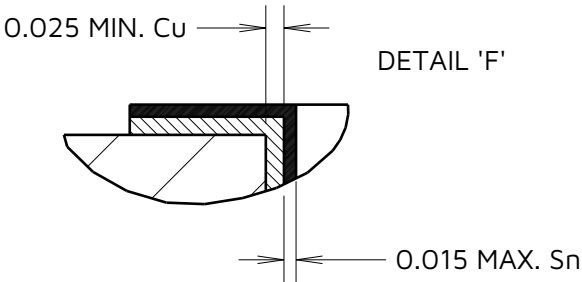
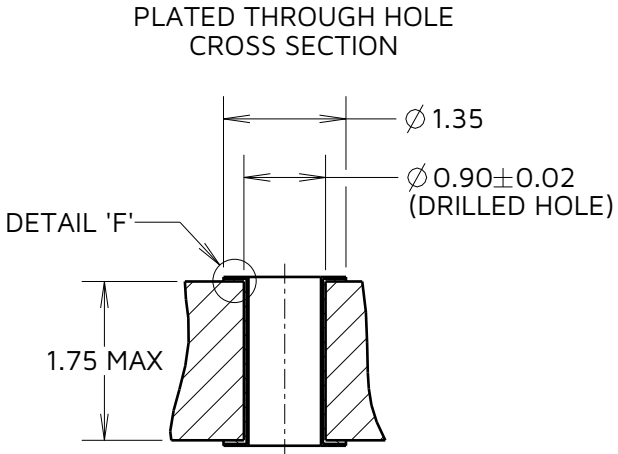
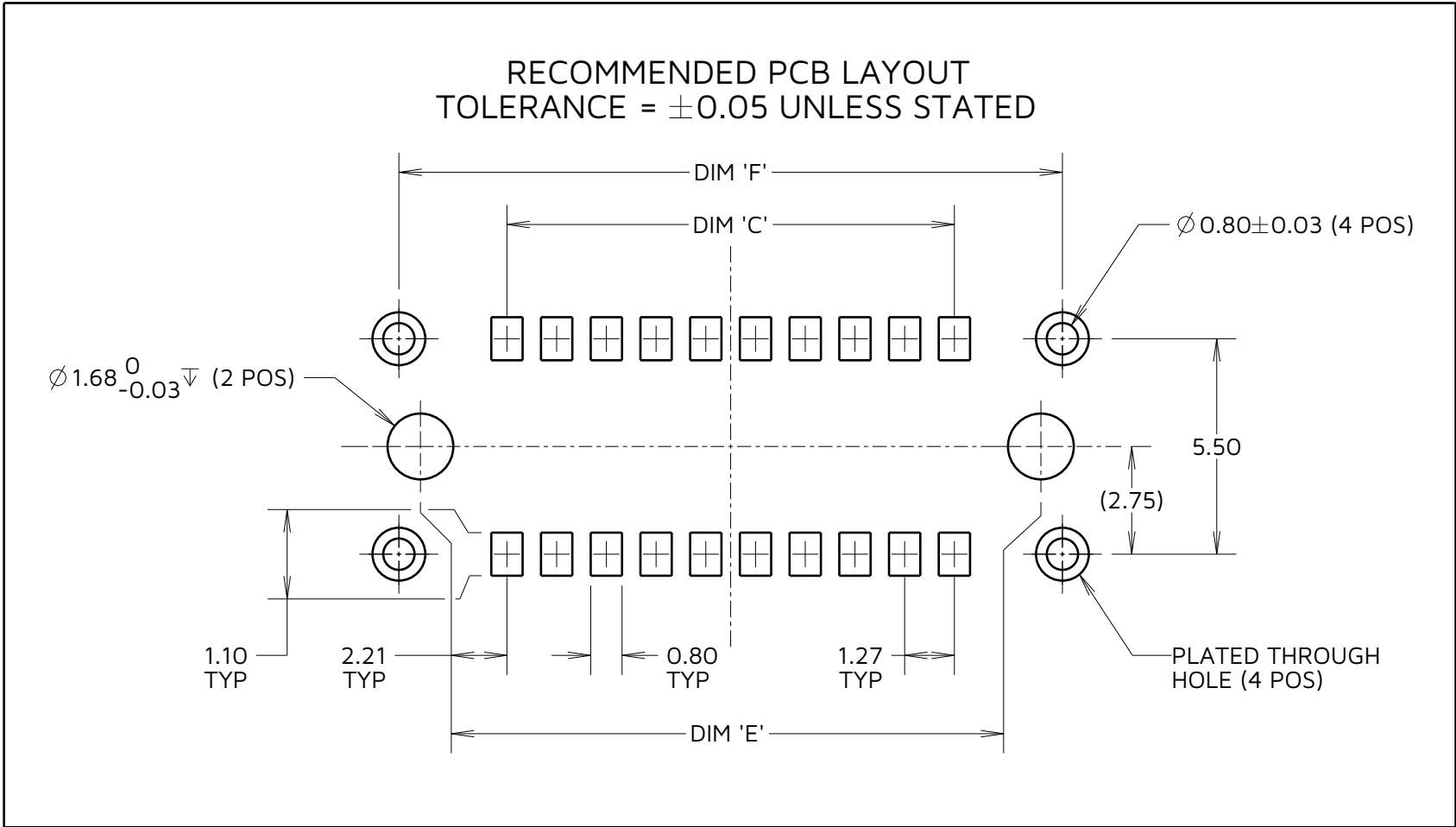
IF IN DOUBT - ASK

©

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



ORDER CODE:

M55-60XXX42R

CONNECTOR HEIGHT:

SMT HARDWARE:

0 = 6.25mm
1 = 9.05mm
2 = 13.65mm

THR HARDWARE:

5 = 6.25mm
6 = 9.05mm
7 = 13.65mm

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'
M55-60X1242R	6.35	10.77	11.87
M55-60X1642R	8.89	13.31	14.41
M55-60X2042R	11.43	15.85	16.95
M55-60X2642R	15.24	19.66	20.76
M55-60X3242R	19.05	23.47	24.57
M55-60X4042R	24.13	28.55	29.65
M55-60X5042R	30.48	34.90	36.00
M55-60X6842R	41.91	46.33	47.43
M55-60X8042R	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 = $\pm 5^\circ$

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