

Customer Information Sheet

DRAWING No.: M55-60XXX42R

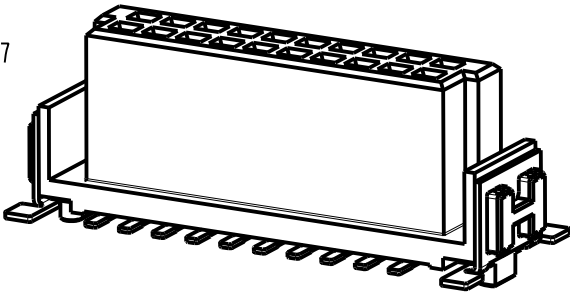
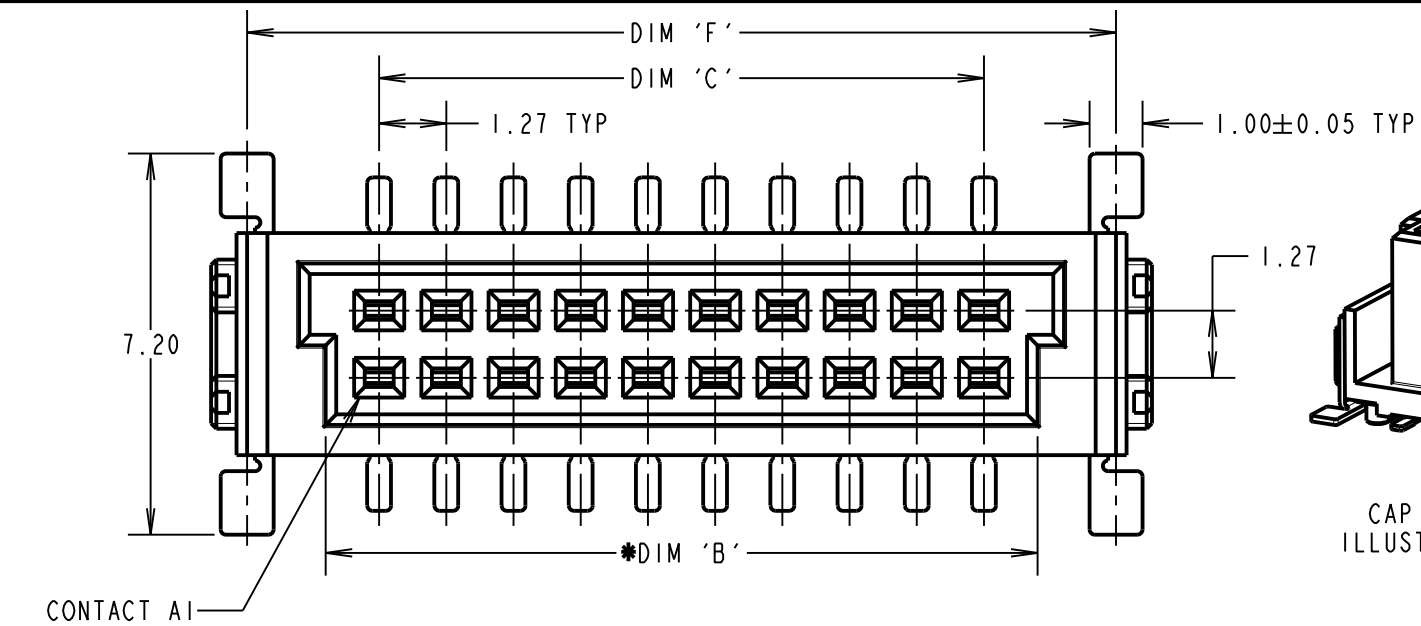
IF IN DOUBT - ASK

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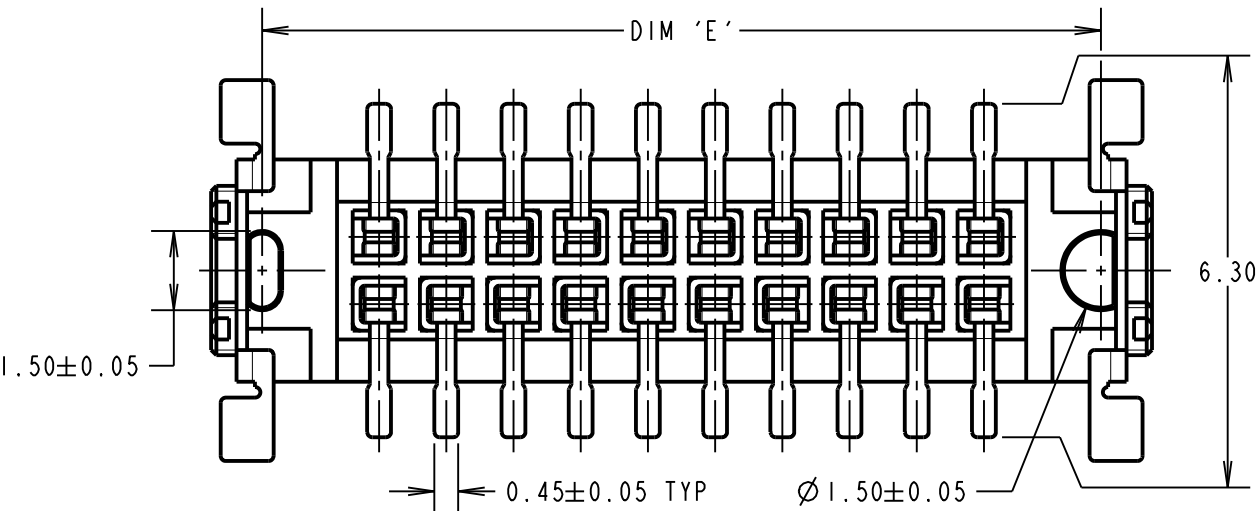
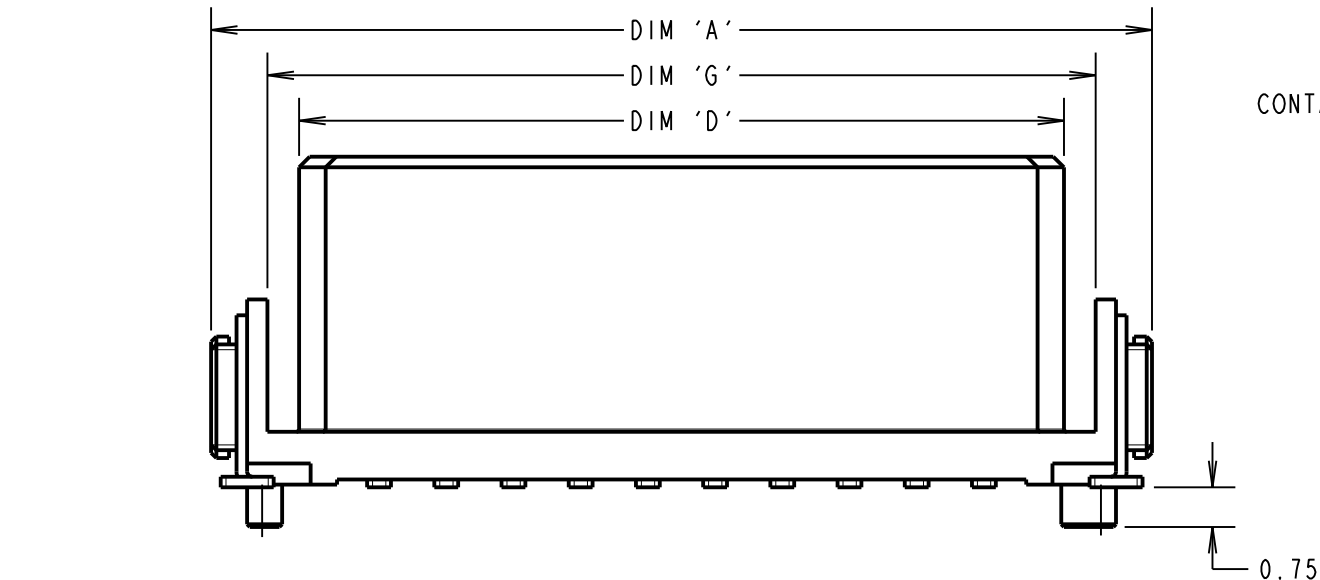
NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



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



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	11.34	10.57
M55-60X1642R	15.24	10.91	8.89	11.91	13.31	13.88	13.11
M55-60X2042R	17.78	13.45	11.43	14.45	15.85	16.42	15.65
M55-60X2642R	21.59	17.26	15.24	18.26	19.66	20.23	19.46
M55-60X3242R	25.40	21.07	19.05	22.07	23.47	24.04	23.27
M55-60X4042R	30.48	26.15	24.13	27.15	28.55	29.12	28.35
M55-60X5042R	36.83	32.50	30.48	33.50	34.90	35.47	34.70
M55-60X6842R	48.26	43.93	41.91	44.93	46.33	46.90	46.13
M55-60X8042R	55.88	51.55	49.53	52.55	53.95	54.52	53.75

ORDER CODE:

M55-60XXX42R

CONNECTOR HEIGHT:

0 = 6.25
1 = 9.05
2 = 13.65

TOTAL No. OF CONTACTS:

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

SPECIFICATIONS:

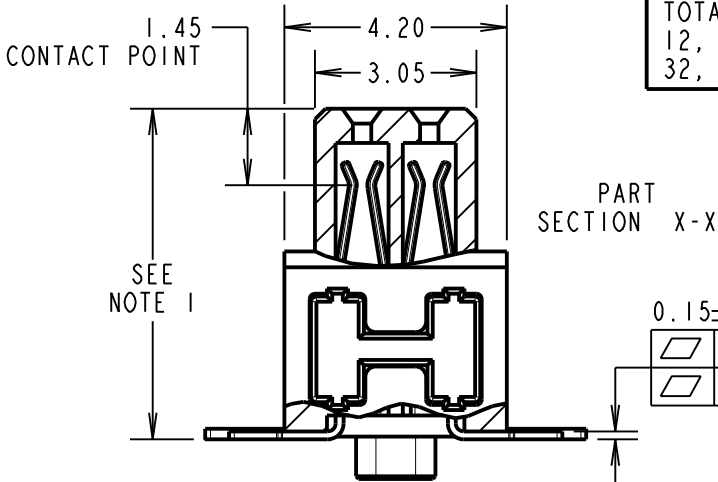
MATERIAL:
MOULDING & CAP = HIGH TEMP, LCP, UL94V-0
CONTACT = PHOSPHOR BRONZE
RETAINING STRAP = BRASS

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

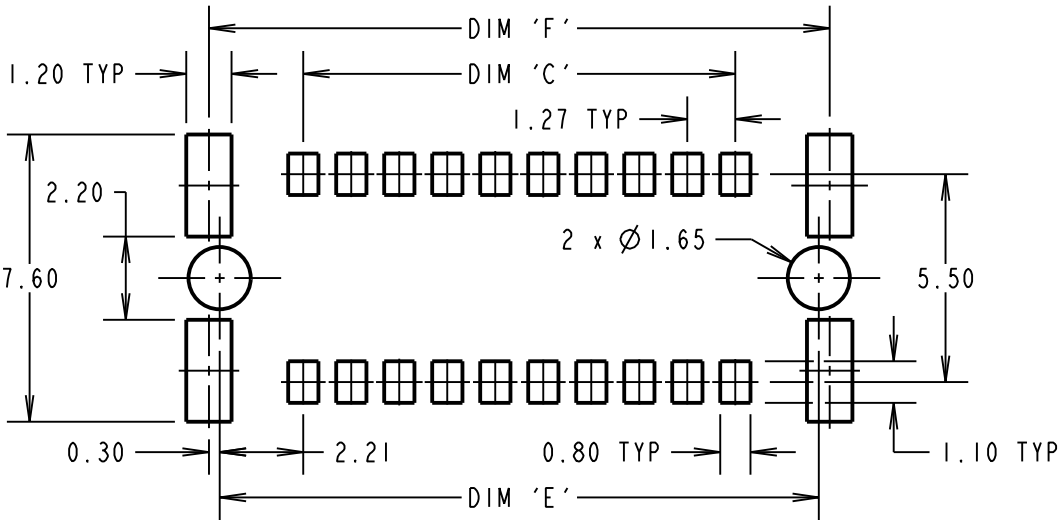
MECHANICAL:
INSERTION FORCE = 0.8N MAX PER CONTACT
WITHDRAWAL FORCE = 0.2N MIN PER CONTACT
DURABILITY = 500 CYCLES

ENVIRONMENTAL:
TEMPERATURE RANGE = -55°C TO +125°C



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

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

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technical@harwin.com

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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:	mm ²

TITLE:	1.27mm PITCH VERTICAL FEMALE CONNECTOR
DRAWING NUMBER:	M55-60XXX42R
SHT 4 OF 6	

FM	5	25.04.18	21181
NAME	ISS.	DATE	C/NOTE
APPROVED:	F.MCGOWAN		
CHECKED:	S.BENNETT		
DRAWN:	M.PERREN		
CUSTOMER REF.:			
ASSEMBLY DRG:			

Customer Information Sheet

DRAWING No.: M55-60XXX42R

IF IN DOUBT - ASK

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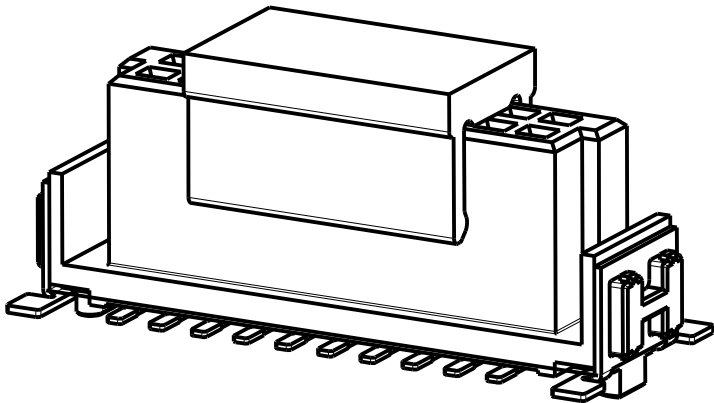
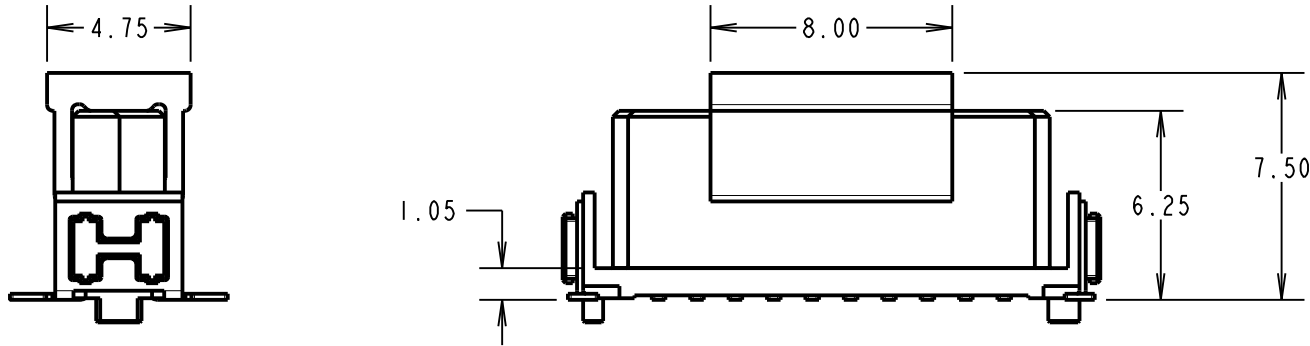
NOT TO SCALE

THIRD ANGLE PROJECTION

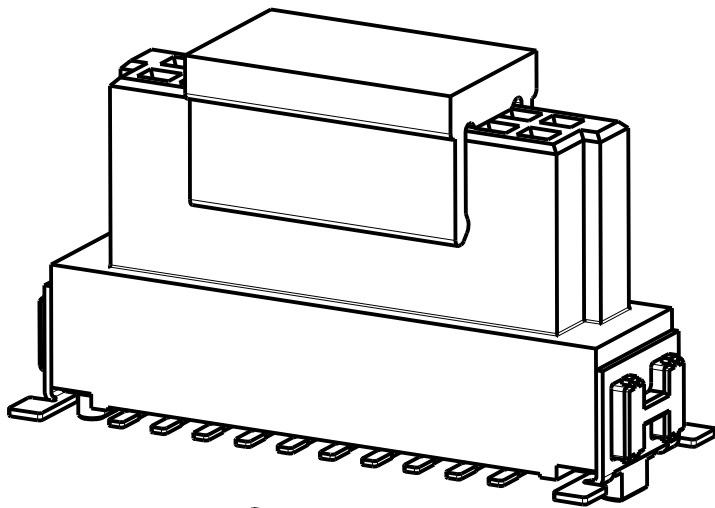
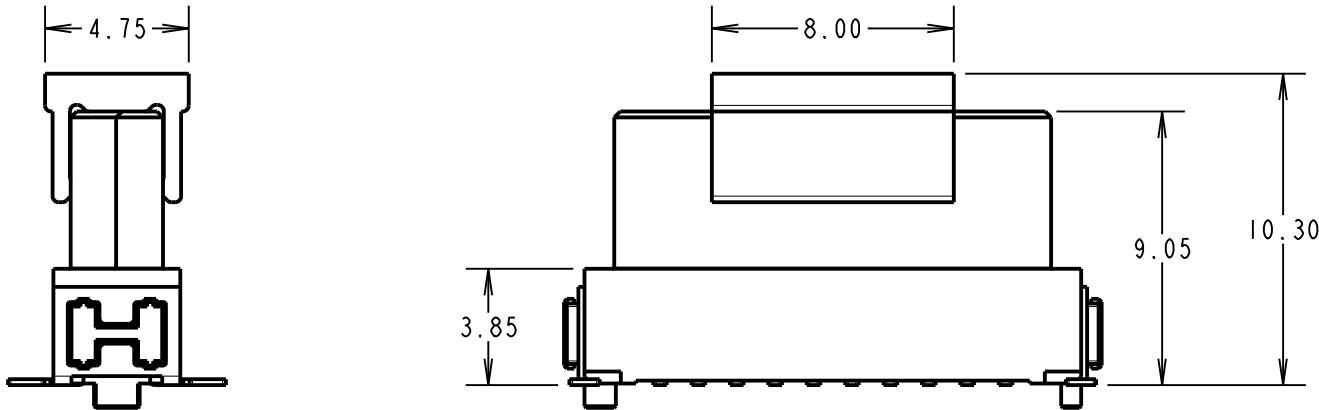
ALL DIMENSIONS IN mm

CONNECTOR HEIGHT DETAILS

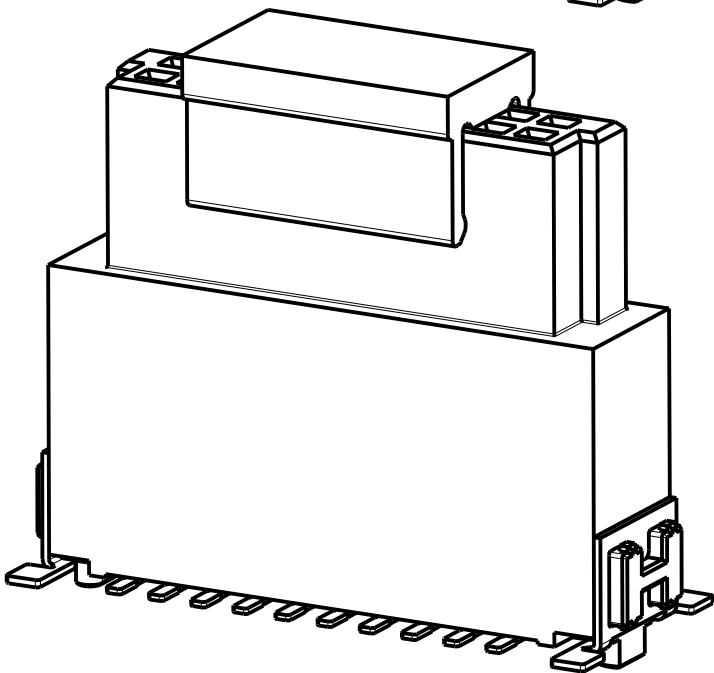
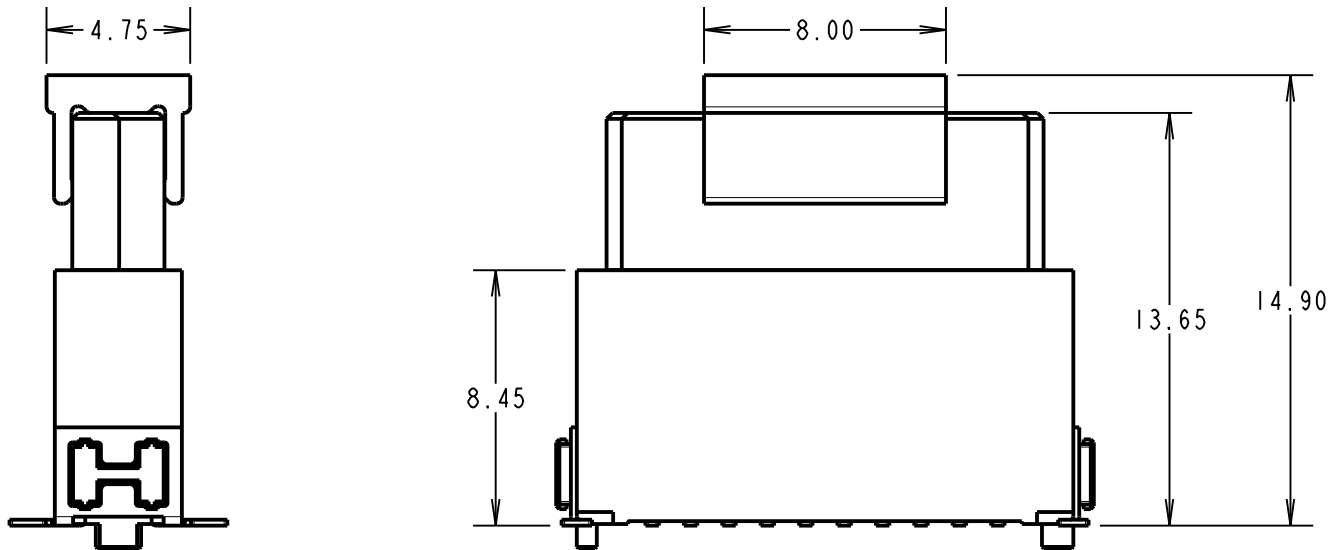
M55-600XX42R



M55-601XX42R



M55-602XX42R



FM	5	25.04.18	21181
NAME	ISS.	DATE	C/NOTE
APPROVED:		F.MCGOWAN	
CHECKED:		S.BENNETT	
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TOLERANCES

X = $\pm 1\text{mm}$
X.X = $\pm 0.50\text{mm}$
X.XX = $\pm 0.10\text{mm}$
X.XXX = $\pm 0.01\text{mm}$
ANGLES = $\pm 5^\circ$
UNLESS STATED

MATERIAL:

SEE SHEET 4

FINISH: SEE SHEET 4

S/AREA: mm²

TITLE:

1.27mm PITCH VERTICAL
FEMALE CONNECTOR

DRAWING NUMBER:

M55-60XXX42R

SHT
5
OF
6

Customer Information Sheet

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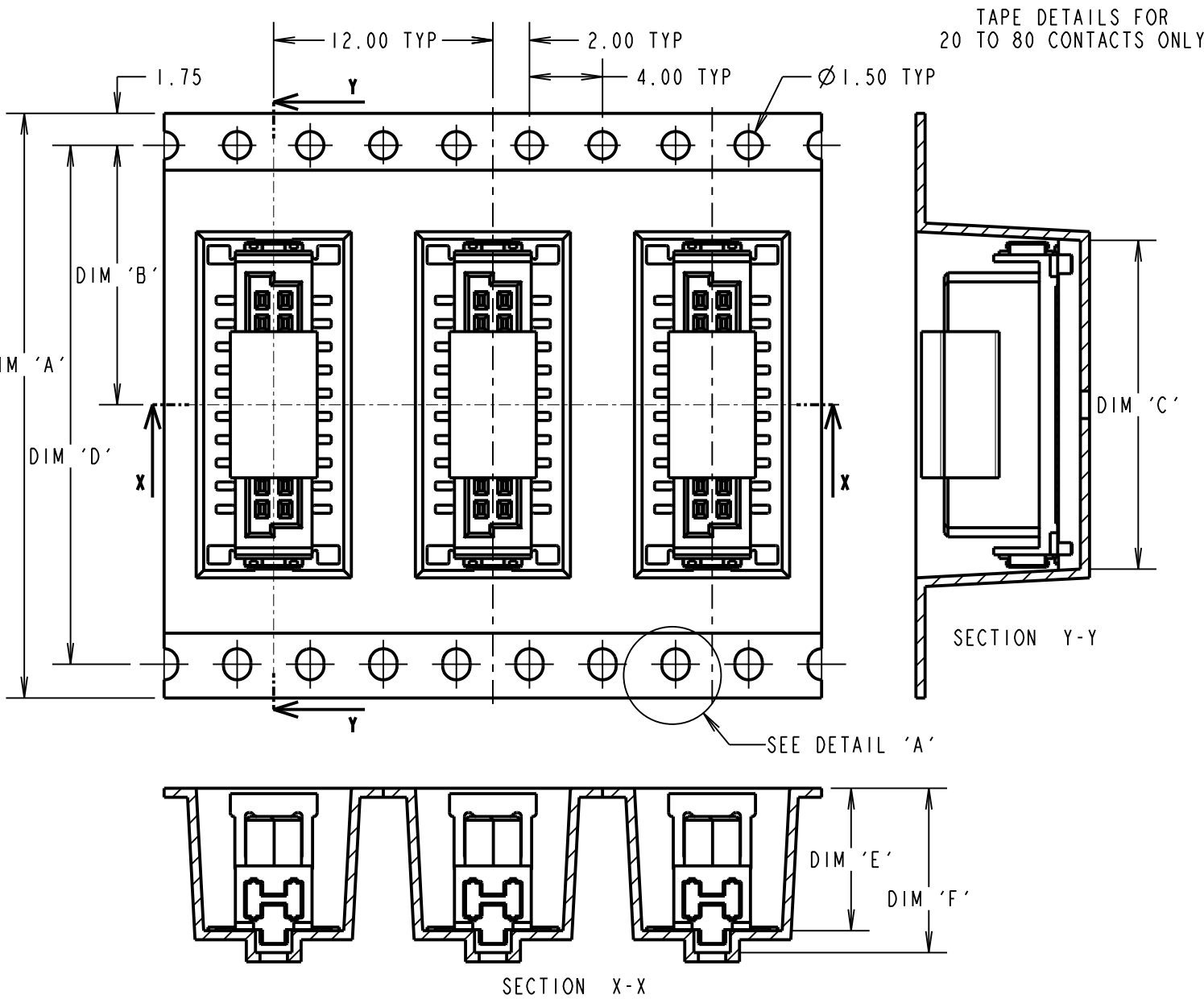
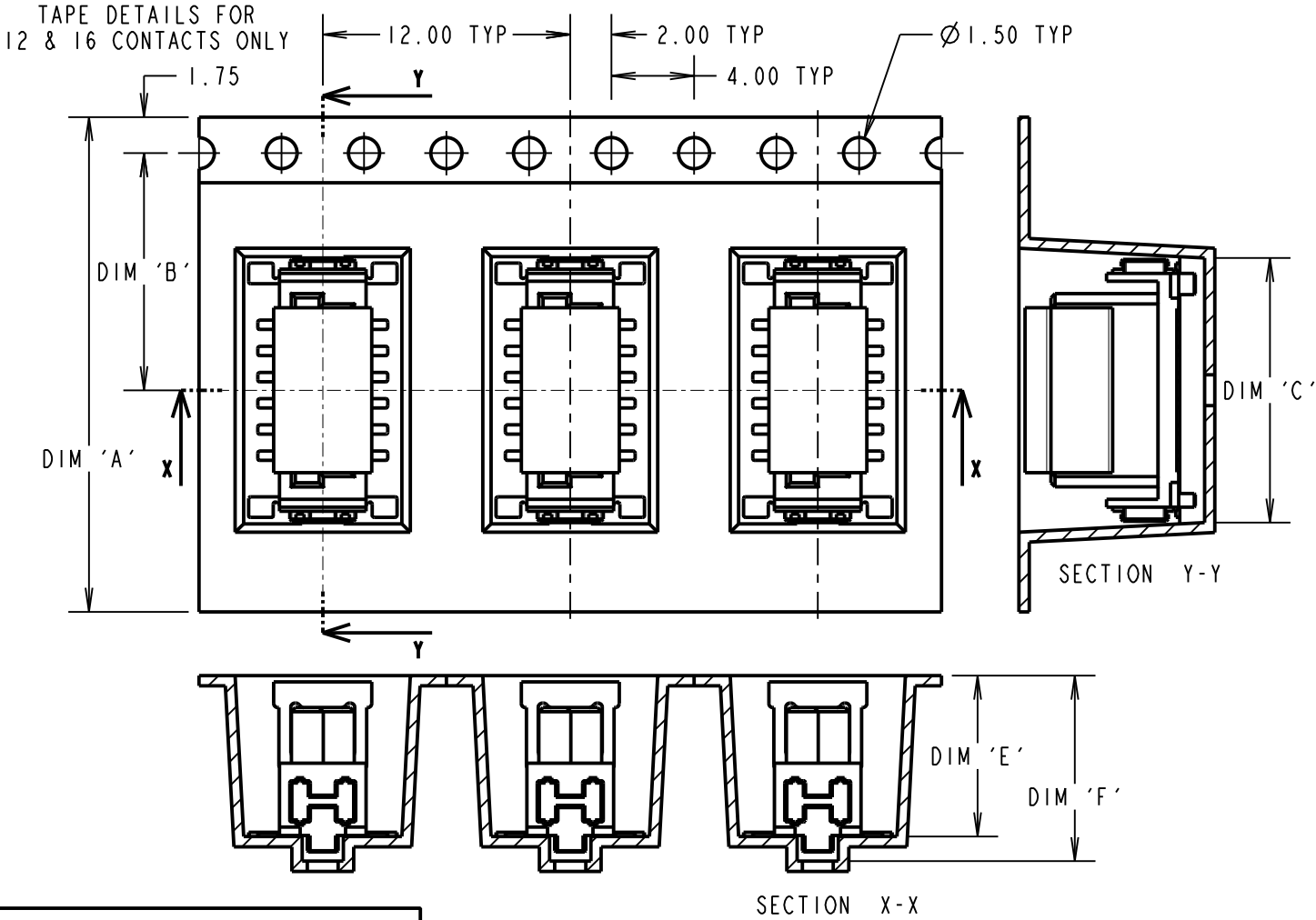
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



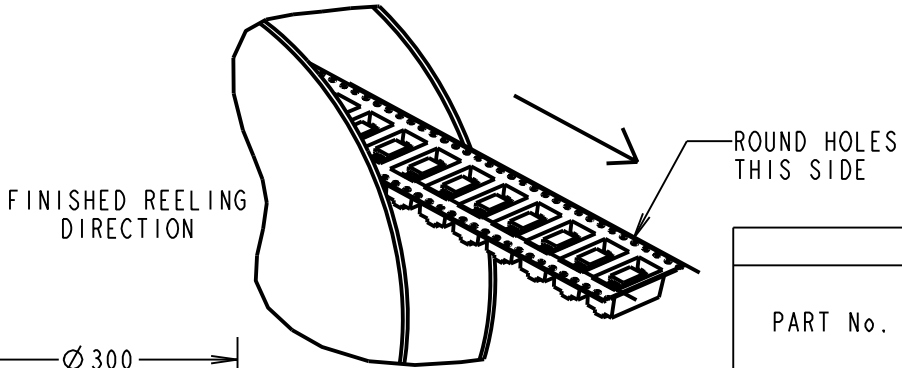
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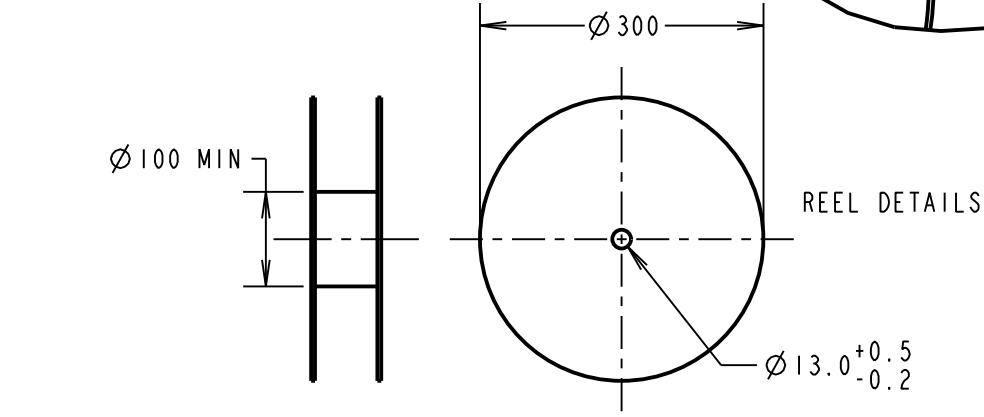
TOTAL No. OF CONTACTS:

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



PART No.	TABLE 1 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				
M55-60X3242R	44.00	20.20	21.79	40.40
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	

PART No.	TABLE 2 DIMENSION		PACK QTY
	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:

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

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TOLERANCES

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ANGLES = ±5°

UNLESS STATED

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SEE SHEET 4

FINISH: SEE SHEET 4

S/AREA: mm²

TITLE:

1.27mm PITCH VERTICAL FEMALE CONNECTOR

DRAWING NUMBER:

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SHT 6 OF 6

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