

# Customer Information Sheet

DRAWING No.: M55-60XXX42R

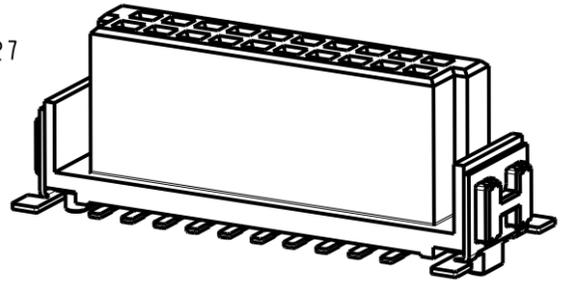
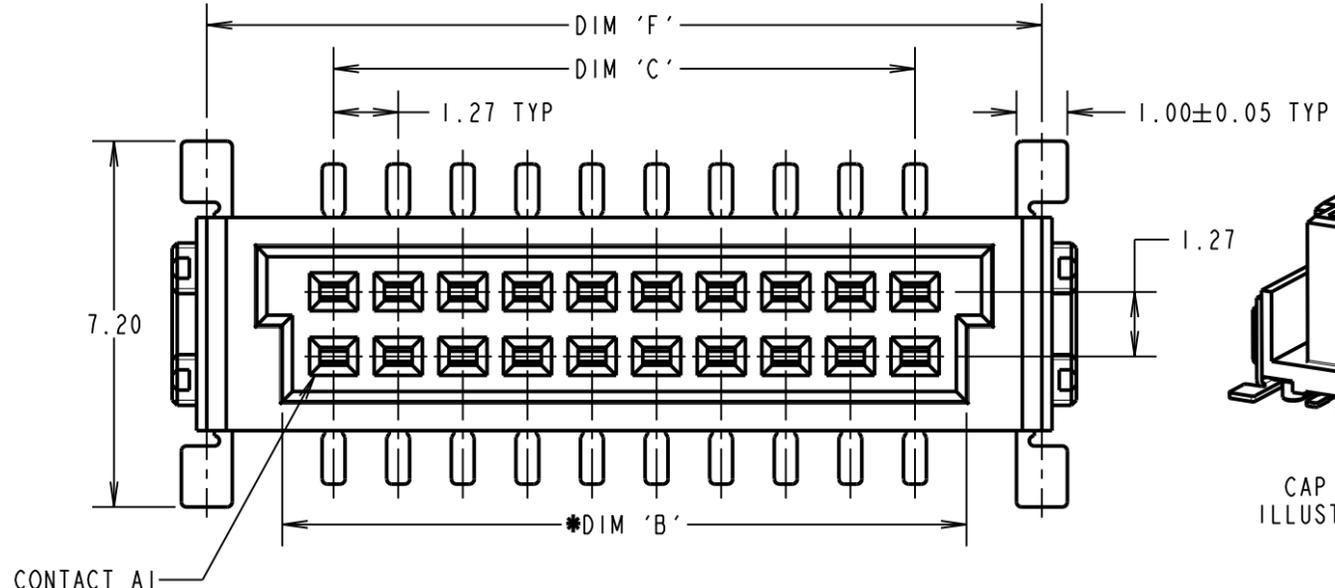
IF IN DOUBT - ASK

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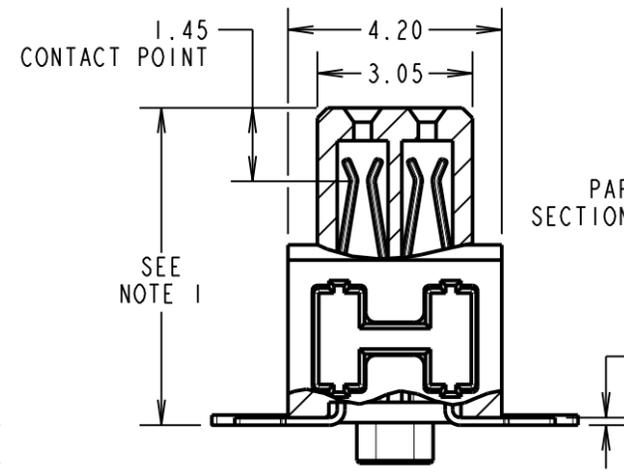
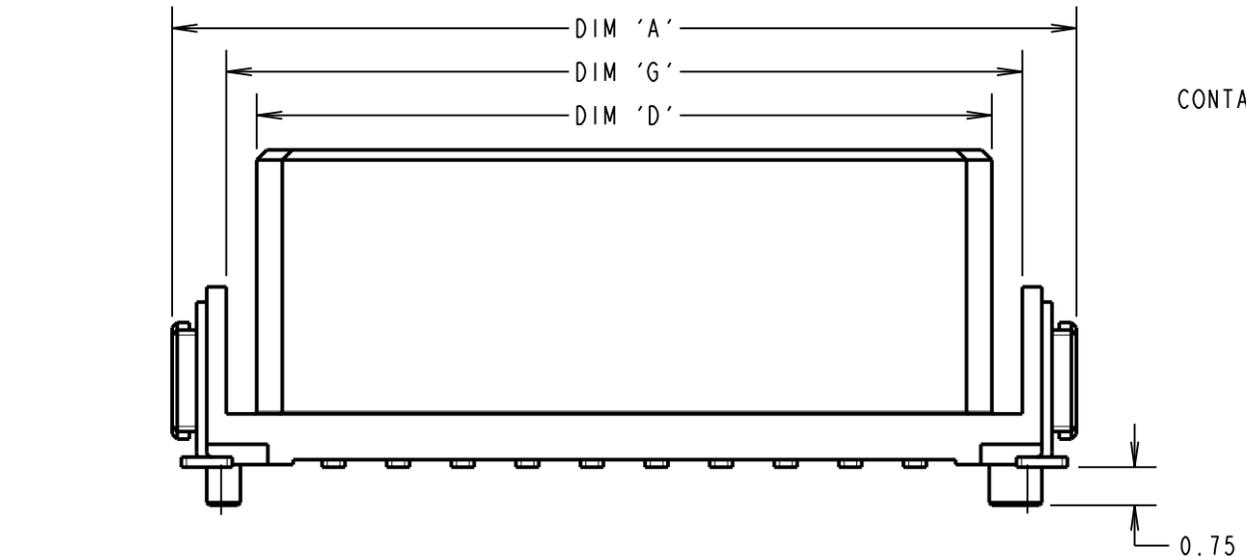
NOT TO SCALE

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

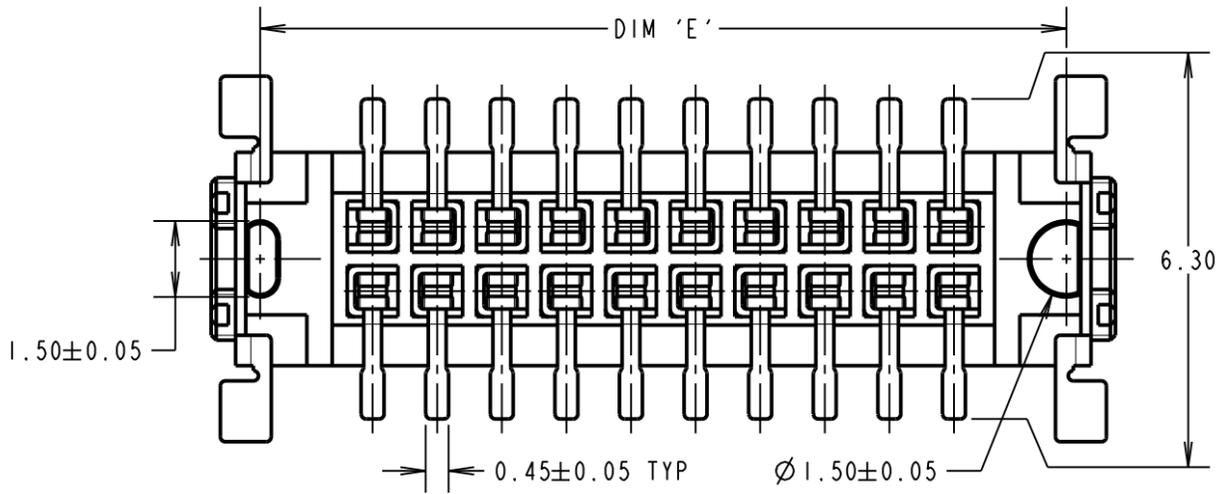
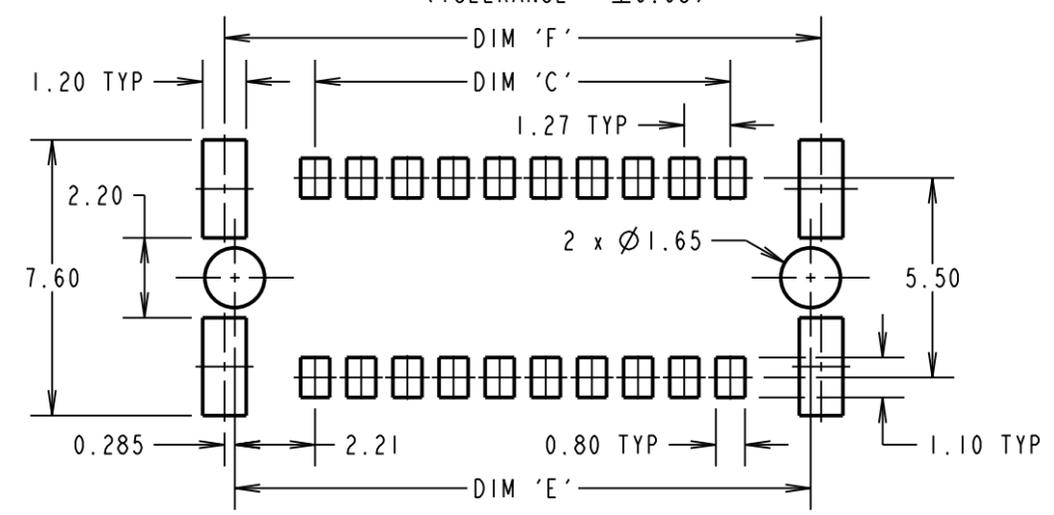
TOTAL No. OF CONTACTS: \_\_\_\_\_  
12, 16, 20, 26,  
32, 40, 50, 68, 80

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	0.1	12 - 50 CONTACTS
0.15	0.15	68 - 80 CONTACTS

RECOMMENDED PCB LAYOUT  
(TOLERANCE = ±0.05)



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

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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: mm<sup>2</sup>

TITLE: 1.27mm PITCH VERTICAL FEMALE CONNECTOR  
DRAWING NUMBER: M55-60XXX42R  
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.: M55-60XXX42R

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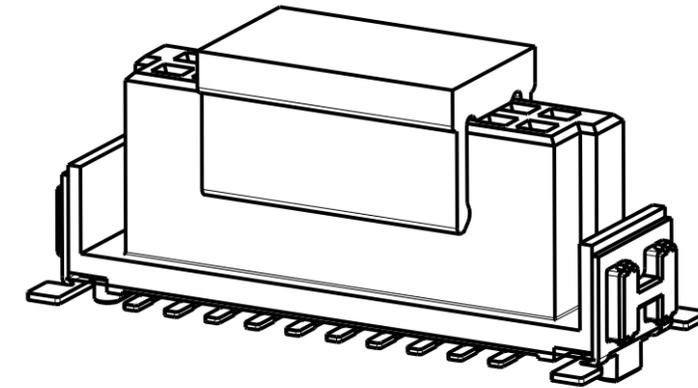
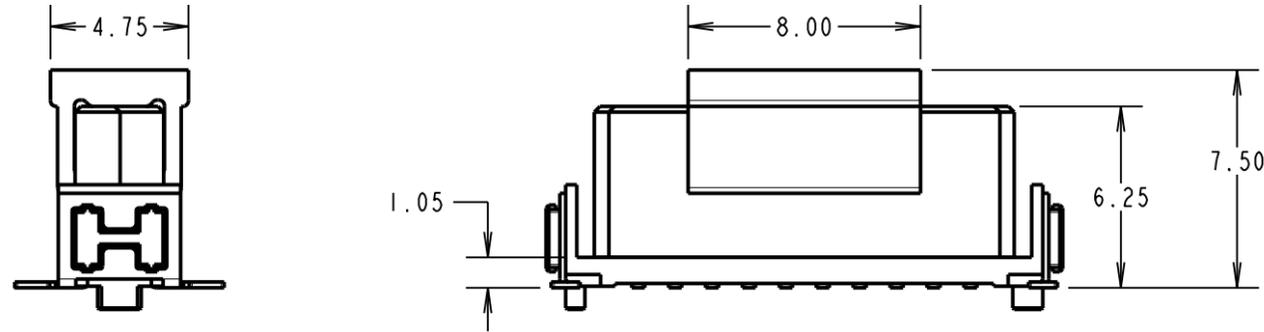
NOT TO SCALE

THIRD ANGLE PROJECTION

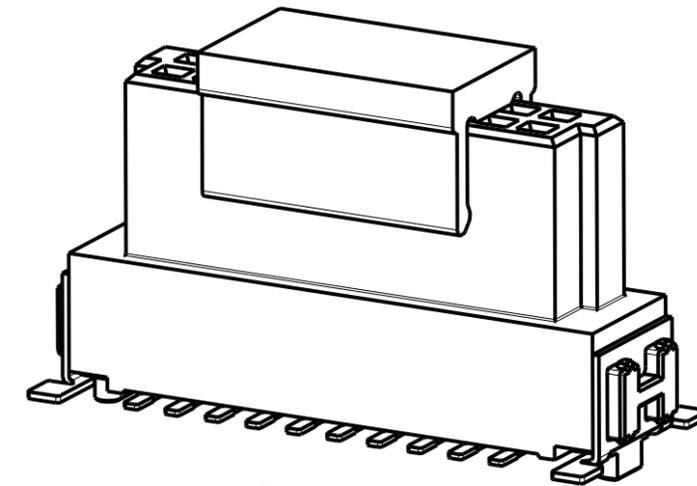
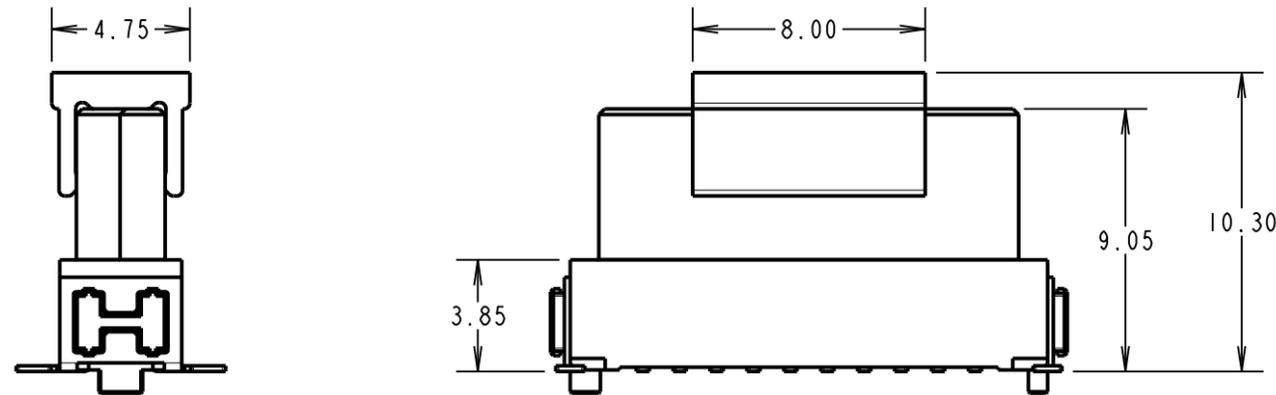
ALL DIMENSIONS IN mm

## CONNECTOR HEIGHT DETAILS

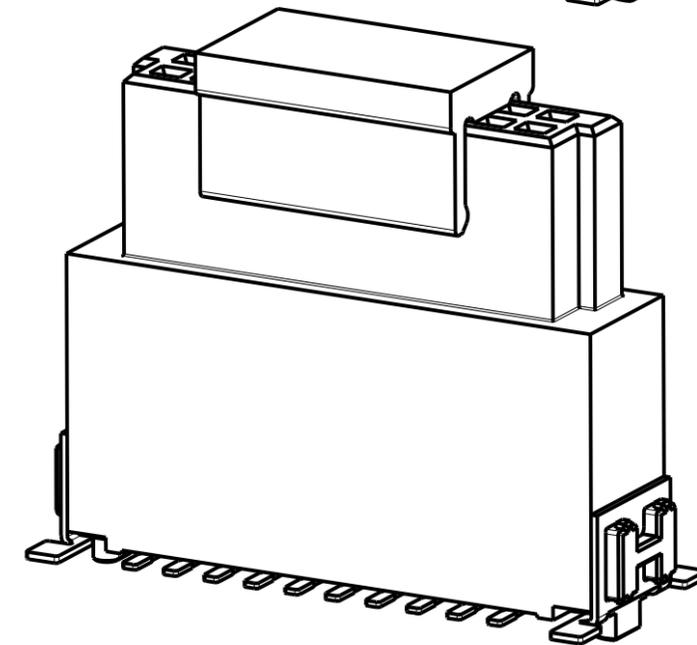
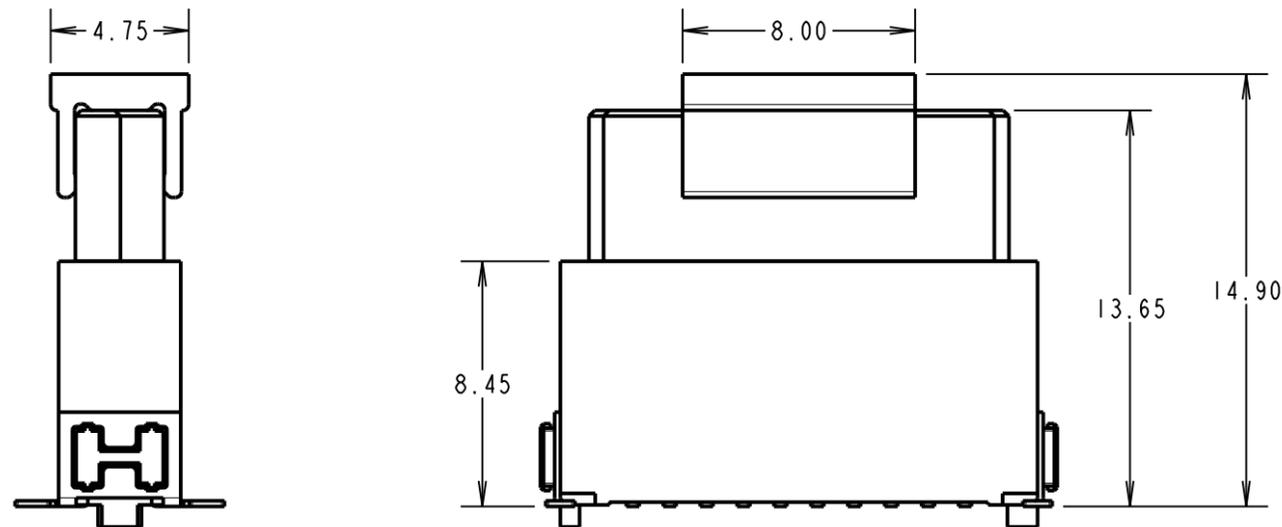
M55-600XX42R



M55-601XX42R



M55-602XX42R



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  $\pm 0.20$ , UNLESS OTHERWISE STATED.

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TOLERANCES  
X =  $\pm 1$ mm  
X.X =  $\pm 0.50$ mm  
X.XX =  $\pm 0.20$ mm  
X.XXX =  $\pm 0.01$ mm  
ANGLES =  $\pm 5^\circ$   
UNLESS STATED

MATERIAL:  
SEE SHEET 4  
FINISH: SEE SHEET 4  
S/AREA: mm<sup>2</sup>

TITLE:  
1.27mm PITCH VERTICAL FEMALE CONNECTOR  
DRAWING NUMBER:  
M55-60XXX42R

SHT  
5  
OF  
6

# Customer Information Sheet

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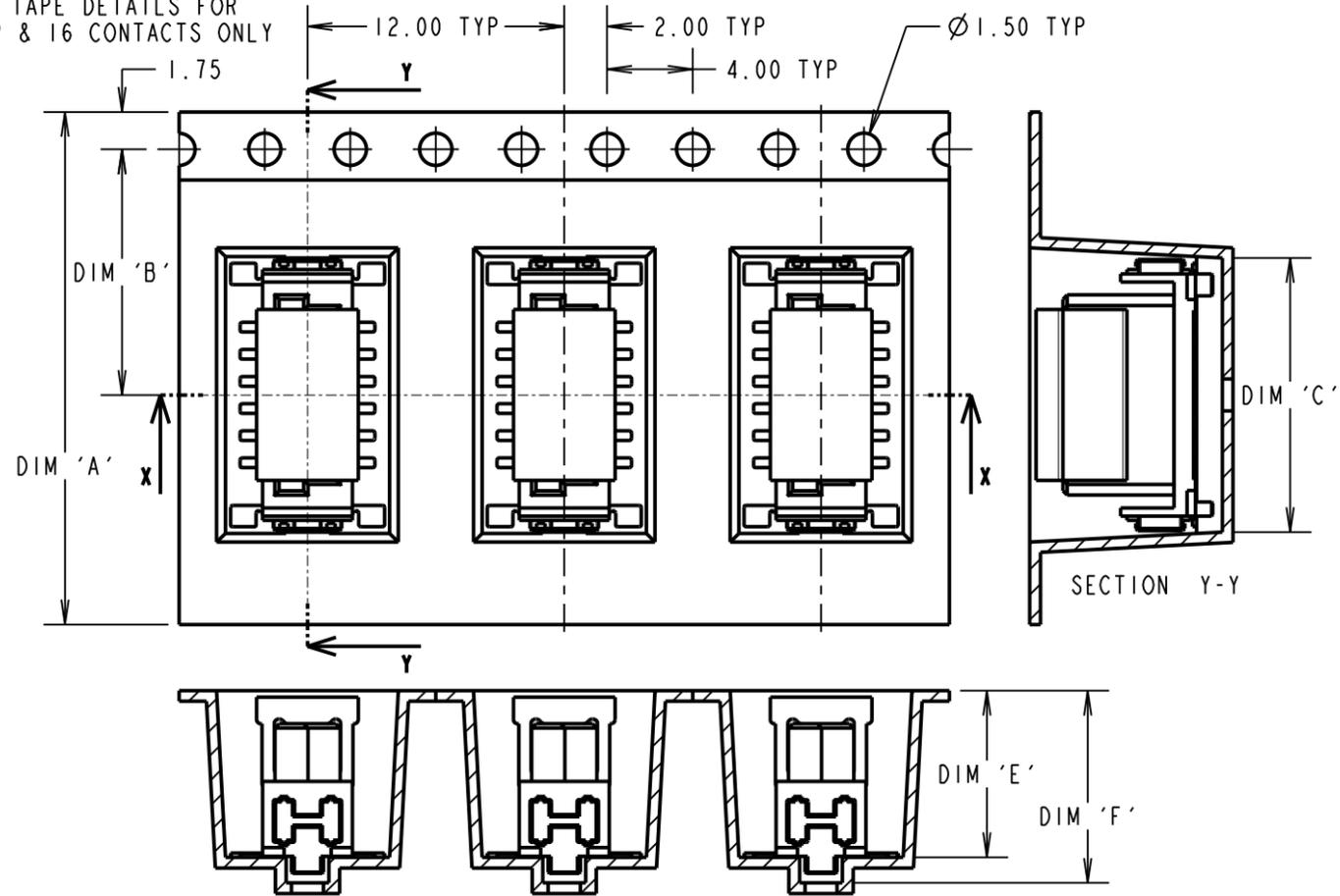
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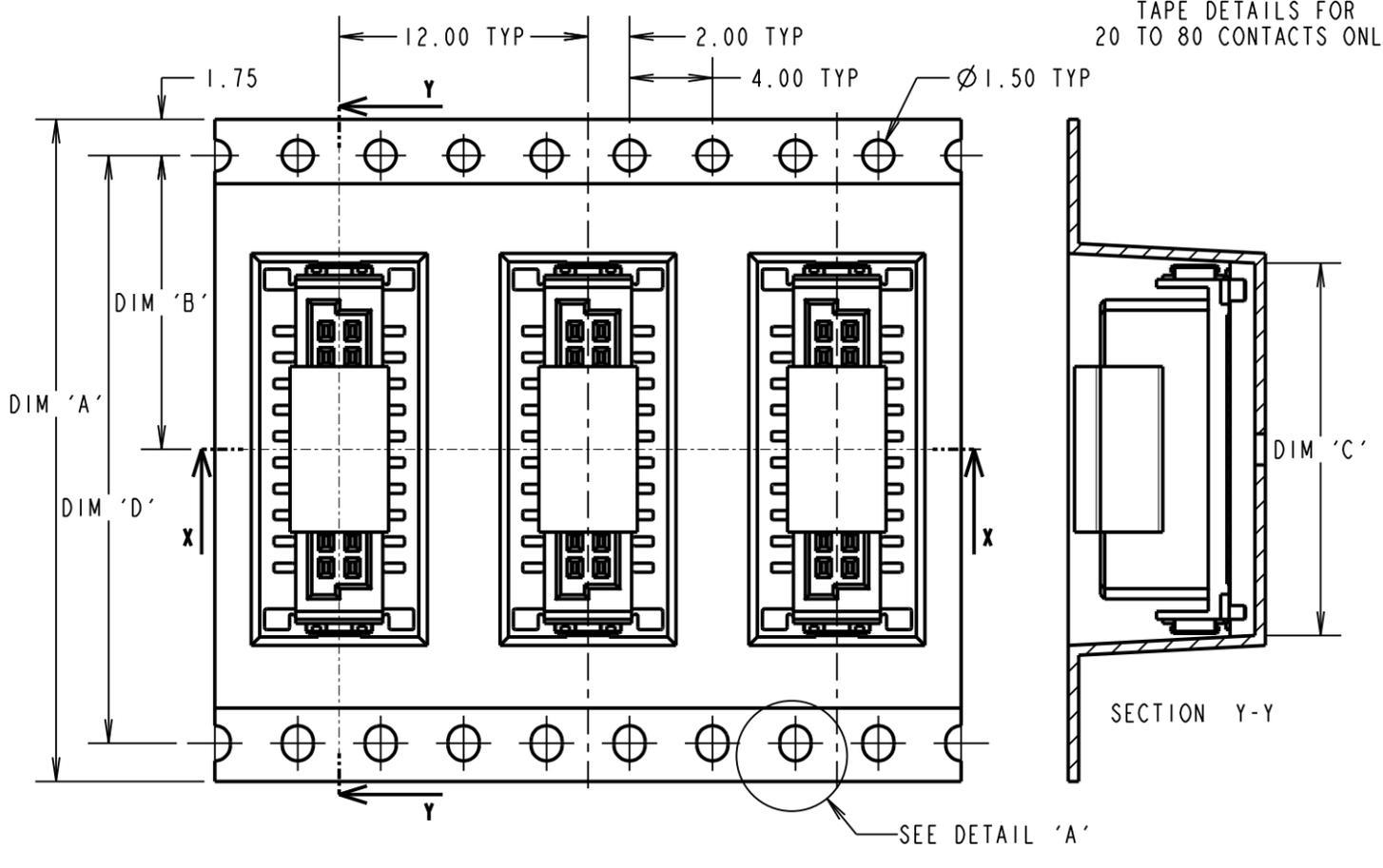
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TAPE DETAILS FOR  
12 & 16 CONTACTS ONLY



TAPE DETAILS FOR  
20 TO 80 CONTACTS ONLY



ORDER CODE: **M55-60XXX42R**

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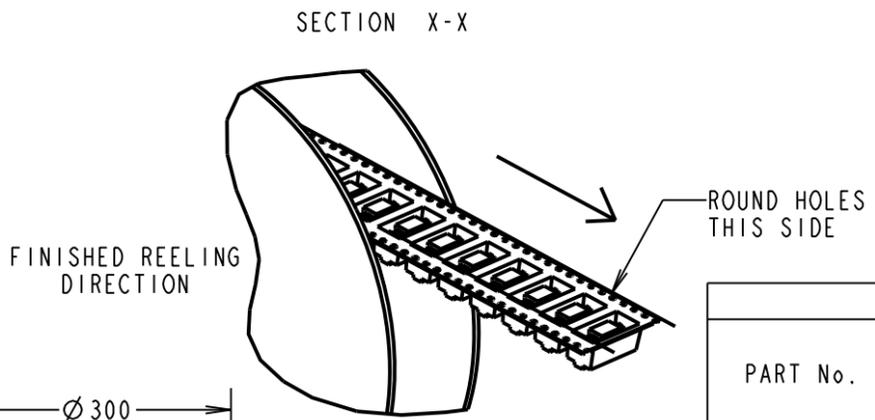


TABLE 1

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				
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	

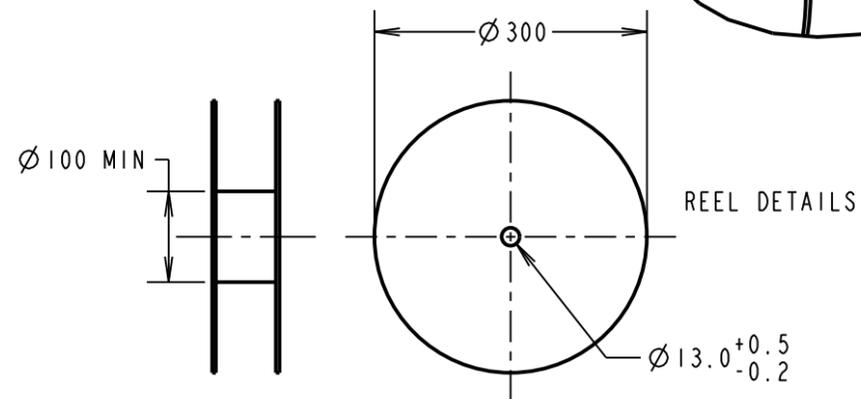
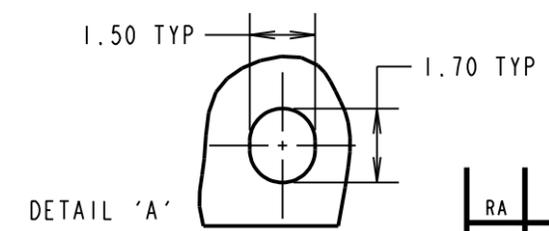


TABLE 2

PART No.	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

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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, SEESHEET 4 & 5.

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UNLESS STATED

MATERIAL:  
SEE SHEET 4

FINISH: SEE SHEET 4

S/AREA: mm<sup>2</sup>

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DRAWING NUMBER:  
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SHT 6 OF 6