

Customer Information Sheet

IF IN DOUBT - ASK



NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

TABLE 1: ORDER CODE CONFIGURATIONS & BILL OF MATERIALS												
M80-XXXXXXXXLX-XXXXLXX (SEE NOTE 5)												
											1	2
											ASSEMBLY	WIRE (SEE C049XX)
M80	-	FC FD	1 2 3 4 5	DIL 04 06 08 10 12 14 16 18 20 26 34	05 68 98 99	LO	-	XXXX	L	XX OR BLANK	FEMALE DIL M80-889XX05 (22AWG) M80-888XX05 (24-28AWG) M80-788XX05 (30AWG)	22-30AWG: WHITE WIRE BLACK WIRE RED WIRE MULTI-COLOURED (SEE TABLE 2)
				FEMALE SIL M80-899XX05 (22AWG) M80-898XX05 (24-28AWG) M80-798XX05 (30AWG)							PTFE	
		MC MD		SIL 02 03 04 05 06 07 17		LO L4					MALE DIL M80-813XX05 (22AWG) M80-812XX05 (24-28AWG)	SEE ORDER CODE FOR STRANDING
											MALE SIL M80-809XX05 (22AWG) M80-808XX05 (24-28AWG)	

TABLE 2: MULTI-COLOURED WIRE CONVENTION
(SEE ORDER CODE - '68' ONLY)

CONTACT No.	WIRE COLOUR
1	BLACK
2	BROWN
3	RED
4	ORANGE
5	YELLOW
6	GREEN
7	BLUE
8	VIOLET
9	GREY
10	WHITE

WIRE COLOURS REPEAT IN ABOVE ORDER FOR CONNECTOR ASSEMBLIES OVER 10 CONTACTS.

ORDER CODE: M80-XXXXXXXXLX-XXXXLXX

CONNECTOR GENDER: _____
 F = FEMALE
 M = MALE

CONNECTOR GENDER: _____
 C = DOUBLE ROW (DIL)
 D = SINGLE ROW (SIL)

WIRE GAUGE: _____
 1 = 22AWG - 19 STRAND PTFE
 2 = 24AWG - 7 STRAND PTFE
 3 = 26AWG - 19 STRAND PTFE
 4 = 28AWG - 7 STRAND PTFE
 5 = 30AWG - 7 STRAND PTFE

TOTAL No. OF CONTACTS: _____
 SEE TABLE 1 AND INDIVIDUAL SHEETS (DIL & SIL DIFFER).

STRIPPED LENGTH: _____
 BLANK = BLUNT CUT
 01 = 01mm MIN
 09 = 09mm MAX

DIM 'D' LENGTH: _____
 0060 = 60mm MIN
 9999 = 9999mm MAX
 (SEE TABLE 3 FOR EXAMPLES)

LATCHES:
 LO = NO LATCHES
 L4 = WITH LATCHES

WIRE COLOUR:
 05 = WHITE
 68 = MULTI-COLOURED (SEE TABLE 2)
 98 = BLACK
 99 = RED

NOTES:

- FOR COMPLETE SPECIFICATION, INCLUDING WIRE TYPE AND GAUGE SEE COMPONENT SPECIFICATIONS C005XX & C049XX (LATEST ISSUES).
- FOR ALL HOUSING DIMENSIONS, SEE RESPECTIVE DRAWINGS FOR BOM ITEM 1.
- PACKING: INDIVIDUALLY PACKED IN BAGS.
- CUSTOM LENGTH CABLE ASSEMBLIES CAN BE PRODUCED FROM 60mm TO 9999mm. SHORTER LENGTHS ARE POSSIBLE, BUT MUST BE ENQUIRED.
- 30AWG OPTION IS ONLY AVAILABLE FOR FEMALE VARIANTS.

RTP	1	05.02.25	35694
NAME	ISS.	DATE	CN/CO
APPROVED:		A.BOXALL	
CHECKED:		A.YEOMANS	
DRAWN:		R.PORTLOCK	



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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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MATERIAL & FINISH:
 SEE ABOVE

TITLE:
 DATAMATE L-TEK
 SINGLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:
 M80-XXXXXXXXLX-XXXXLXX

SHT
 6 OF
 10

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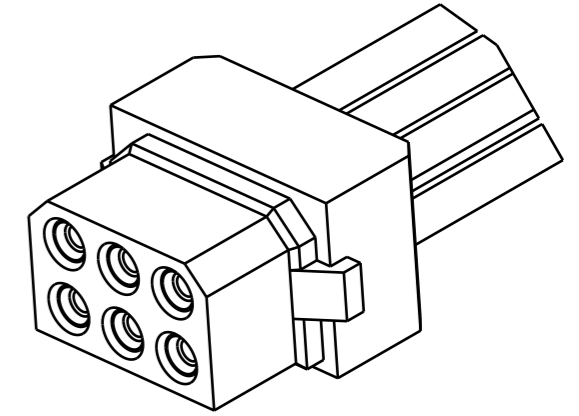
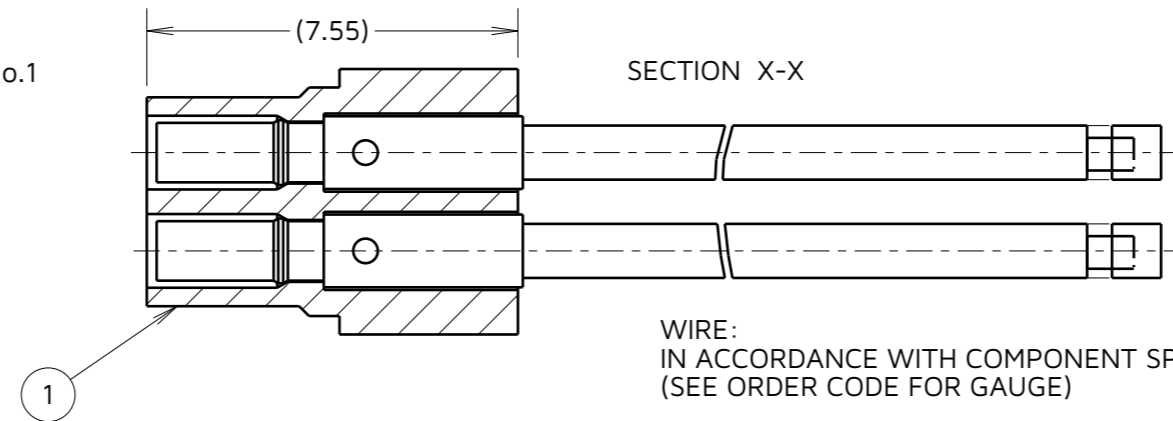
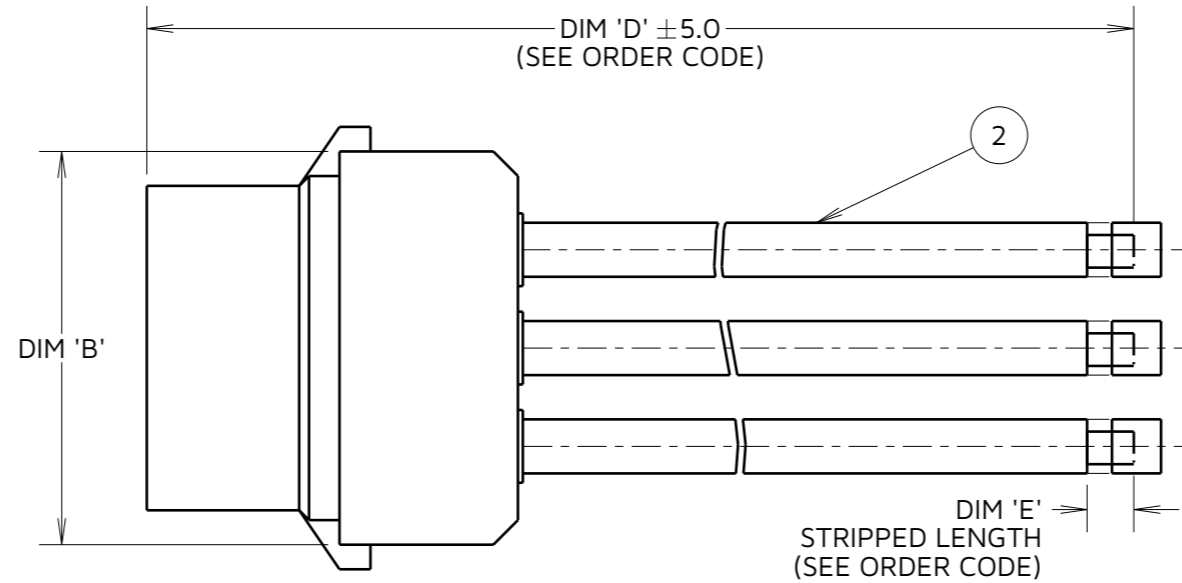
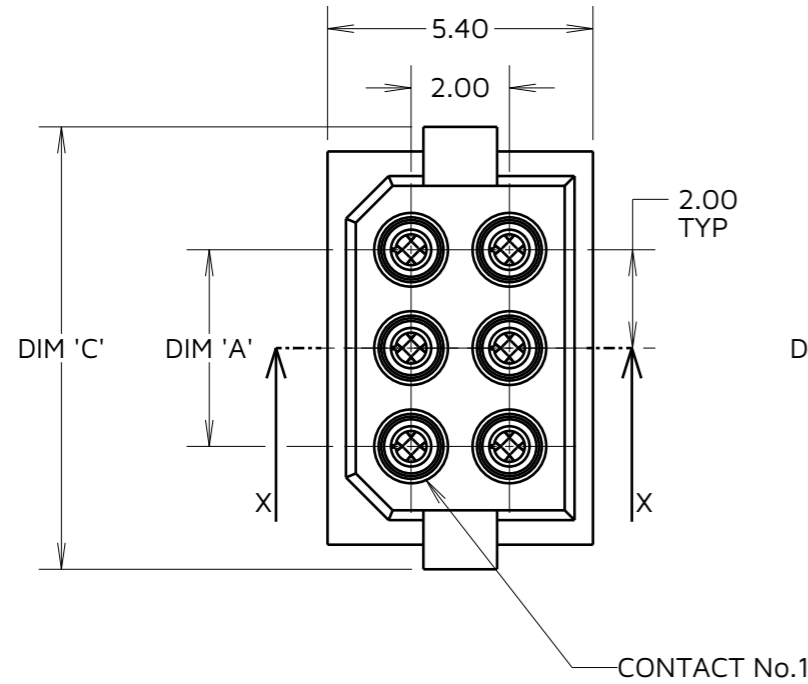
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NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

FEMALE DOUBLE ROW (DIL) M80-FCXXXXXLO-XXXXLXX



VARIANT FOR ILLUSTRATIVE PURPOSES ONLY
SEE ORDER CODE FOR NUMBER OF POSITIONS

ORDER CODE: M80-FCXXXXXLX-XXXXLXX

CONNECTOR GENDER: _____
F = FEMALE
C = DOUBLE ROW (DIL)

WIRE GAUGE: _____
1 = 22AWG - 19 STRAND PTFE
2 = 24AWG - 7 STRAND PTFE
3 = 26AWG - 19 STRAND PTFE
4 = 28AWG - 7 STRAND PTFE
5 = 30AWG - 7 STRAND PTFE

TOTAL No. OF CONTACTS: _____
04, 06, 08, 10, 12, 14,
16, 18, 20, 26, 34

DIM 'E' STRIPPED LENGTH: _____
BLANK = BLUNT CUT
01 = 01mm MIN
09 = 09mm MAX

DIM 'D' LENGTH: _____
0060 = 60mm MIN
9999 = 9999mm MAX
(SEE TABLE 3 FOR EXAMPLES)

LATCHES: _____
LO = NO LATCHES

WIRE COLOUR: _____
05 = WHITE
68 = MULTI-COLOURED (SEE TABLE 2)
98 = BLACK
99 = RED

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NAME	ISS.	DATE	CN/CO
APPROVED:		A.BOXALL	
CHECKED:		A.YEOMANS	
DRAWN:		R.PORTLOCK	

TABLE 3: DIMENSION CALCULATIONS	
DIMENSION	MEASUREMENT
DIM 'A'	TOTAL No. OF CONTACTS - 2.00
DIM 'B'	TOTAL No. OF CONTACTS + 2.00
DIM 'C'	TOTAL No. OF CONTACTS + 3.00

EXAMPLE PART No.:
6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE
7 STRAND WHITE WIRE AND NO STRIPPED LENGTH
= M80-FC50605LO-0450L
26 CONTACT CONNECTOR WITH 150mm OF 26AWG 7 STRAND
PTFE MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH
= M80-FC32668LO-0150L05

 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 & FINISH: SEE ABOVE	TITLE: DATAMATE L-TEK SINGLE-ENDED CABLE ASSEMBLY
				DRAWING NUMBER: M80-XXXXXXXLX-XXXXLXX

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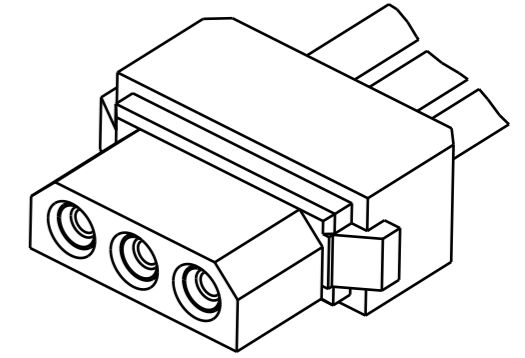
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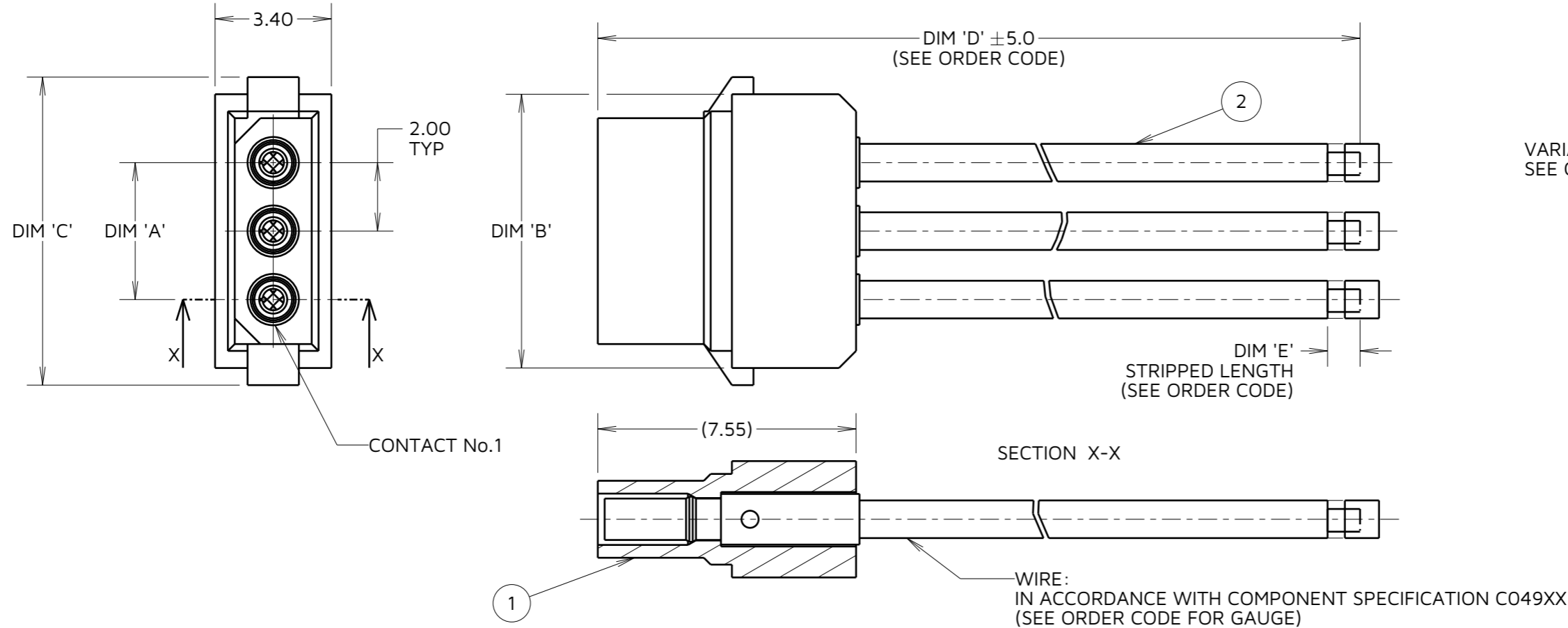
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

FEMALE SINGLE ROW (SIL)
M80-FDXXXXXL0-XXXXLXX



VARIANT FOR ILLUSTRATIVE PURPOSES ONLY
SEE ORDER CODE FOR NUMBER OF POSITIONS



ORDER CODE: M80-FDXXXXXLX-XXXXLXX

CONNECTOR GENDER: _____
F = FEMALE

CONNECTOR GENDER: _____
D = SINGLE ROW (SIL)

WIRE GAUGE: _____
1 = 22AWG - 19 STRAND PTFE
2 = 24AWG - 7 STRAND PTFE
3 = 26AWG - 19 STRAND PTFE
4 = 28AWG - 7 STRAND PTFE
5 = 30AWG - 7 STRAND PTFE

TOTAL No. OF CONTACTS: _____
02, 03, 04, 05, 06, 07 & 17

DIM 'E' STRIPPED LENGTH: _____
BLANK = BLUNT CUT
01 = 01mm MIN
09 = 09mm MAX

DIM 'D' LENGTH: _____
0060 = 60mm MIN
9999 = 9999mm MAX
(SEE TABLE 4 FOR EXAMPLES)

LATCHES: _____
LO = NO LATCHES

WIRE COLOUR: _____
05 = WHITE
68 = MULTI-COLOURED (SEE TABLE 2)
98 = BLACK
99 = RED

TABLE 4: DIMENSION CALCULATIONS	
DIMENSION	MEASUREMENT
DIM 'A'	(TOTAL No. OF CONTACTS x2) - 2.00
DIM 'B'	(TOTAL No. OF CONTACTS x2) + 2.00
DIM 'C'	(TOTAL No. OF CONTACTS x2) + 3.00

EXAMPLE PART No.:

6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE
7 STRAND WHITE WIRE AND NO STRIPPED LENGTH
= M80-FD50605L0-0450L

17 CONTACT CONNECTOR WITH 150mm OF 26AWG 7 STRAND
PTFE MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH
= M80-FD31768L0-0150L05

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				DRAWING NUMBER: M80-XXXXXXXLX-XXXXLXX

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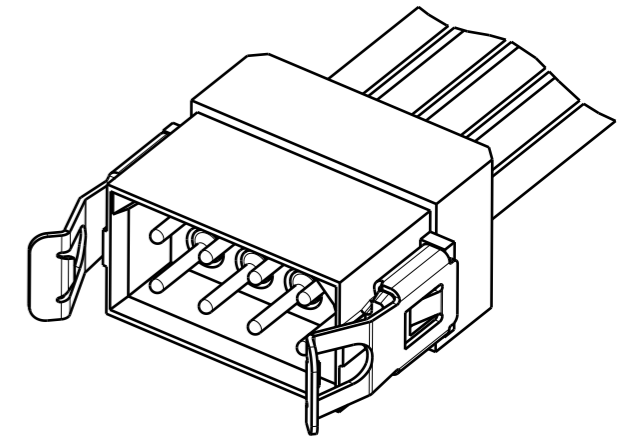
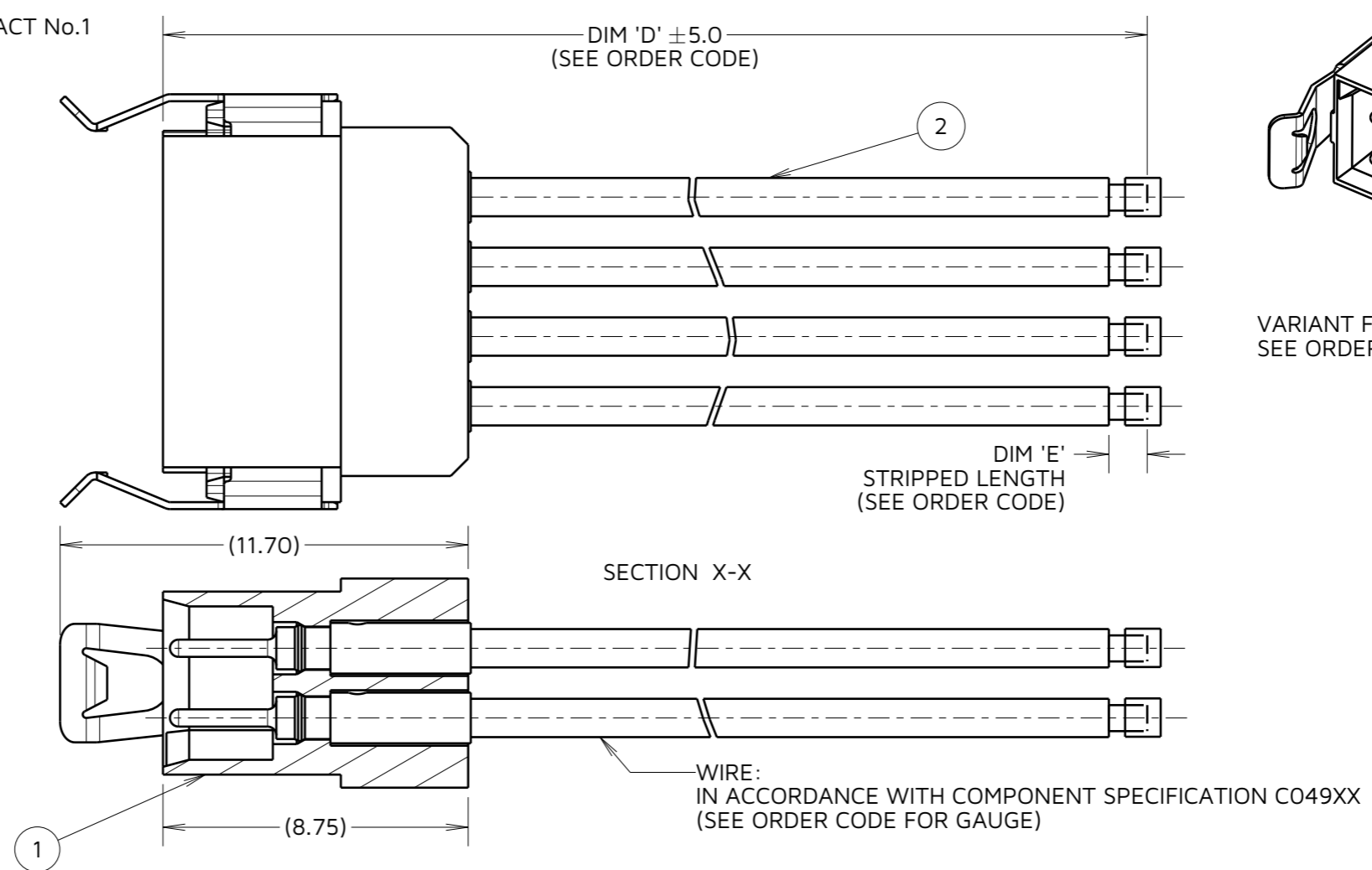
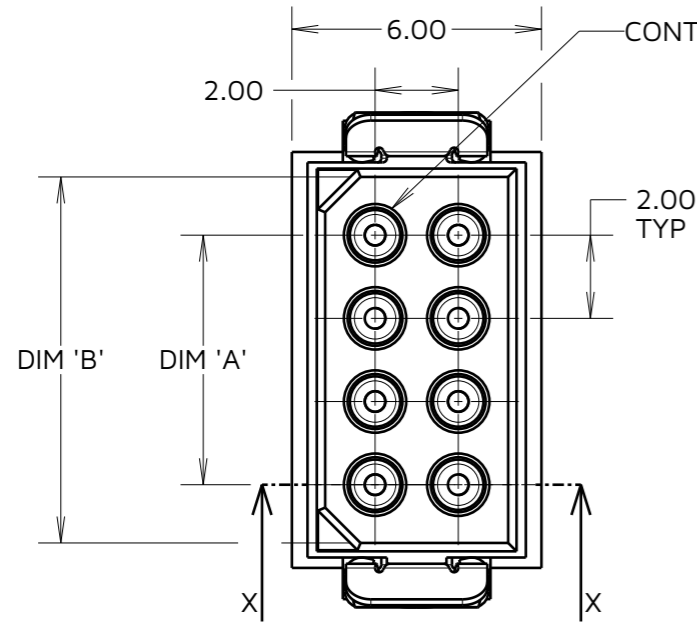
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THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

MALE DOUBLE ROW (DIL)
M80-MCXXXXXLX-XXXXLXX



VARIANT FOR ILLUSTRATIVE PURPOSES ONLY
SEE ORDER CODE FOR NUMBER OF POSITIONS

ORDER CODE: M80-MCXXXXXLX-XXXXLXX

CONNECTOR GENDER: _____
M = MALE
C = DOUBLE ROW (DIL)

WIRE GAUGE: _____
1 = 22AWG - 19 STRAND PTFE
2 = 24AWG - 7 STRAND PTFE
3 = 26AWG - 19 STRAND PTFE
4 = 28AWG - 7 STRAND PTFE
5 = 30AWG - 7 STRAND PTFE

TOTAL No. OF CONTACTS: _____
04, 06, 08, 10, 12, 14,
16, 18, 20, 26, 34

DIM 'E' STRIPPED LENGTH: _____
BLANK = BLUNT CUT
01 = 01mm MIN
09 = 09mm MAX

DIM 'D' LENGTH: _____
0060 = 60mm MIN
9999 = 9999mm MAX
(SEE TABLE 5 FOR EXAMPLES)

LATCHES: _____
LO = NO LATCHES
L4 = WITH LATCHES

WIRE COLOUR: _____
05 = WHITE
68 = MULTI-COLOURED (SEE TABLE 2)
98 = BLACK
99 = RED

TABLE 5: DIMENSION CALCULATIONS	
DIMENSION	MEASUREMENT
DIM 'A'	(TOTAL No. OF CONTACTS x 2) - 2.00
DIM 'B'	(TOTAL No. OF CONTACTS x 2) + 0.80
EXAMPLE PART No.:	
6 CONTACT LATCHED CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH = M80-MC50605L4-0450L	
26 CONTACT LATCHLESS CONNECTOR WITH 150mm OF 26AWG PTFE 7 STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH = M80-MC32668L0-0150L05	

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				<p>DRAWING NUMBER:</p> <p>M80-XXXXXXLX-XXXXLXX</p>

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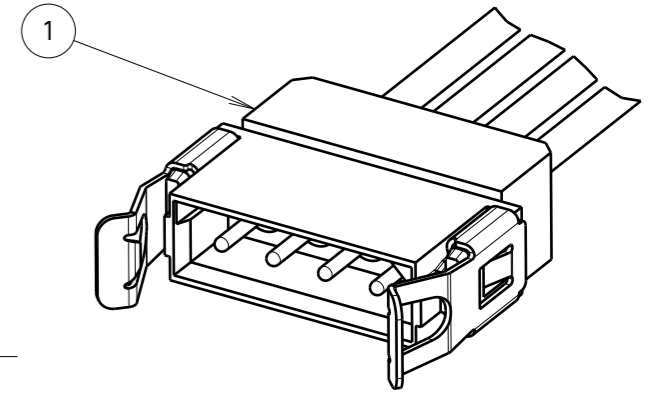
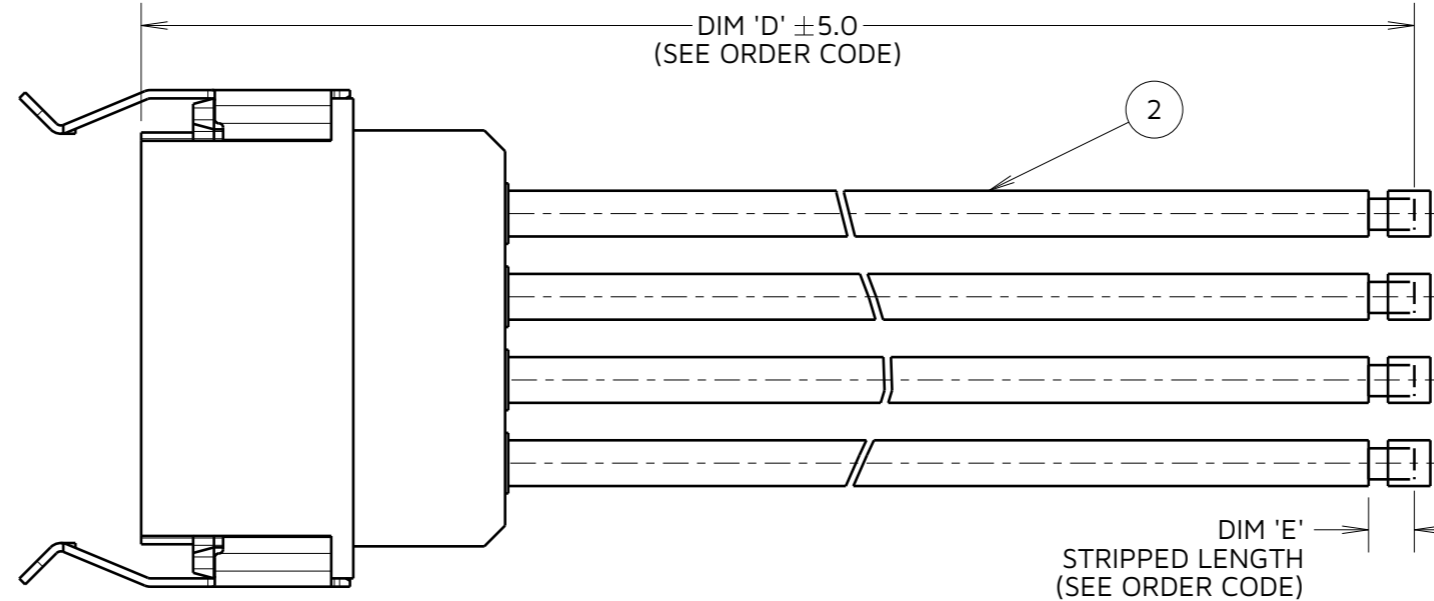
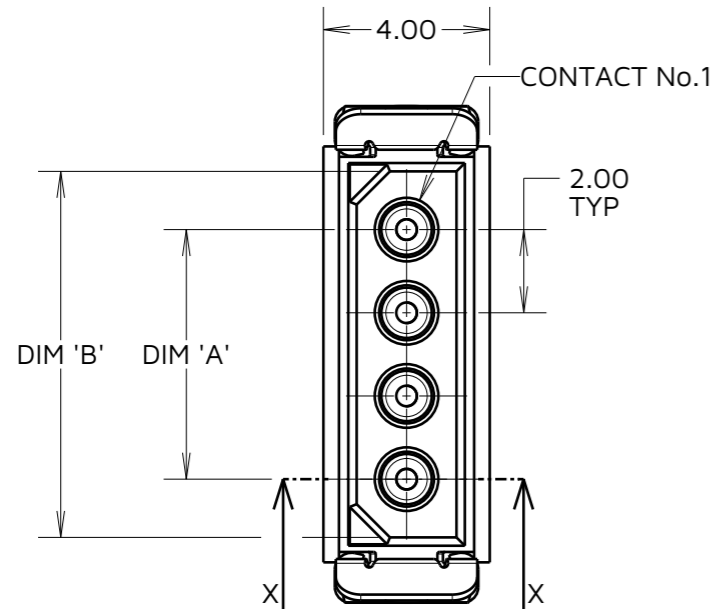


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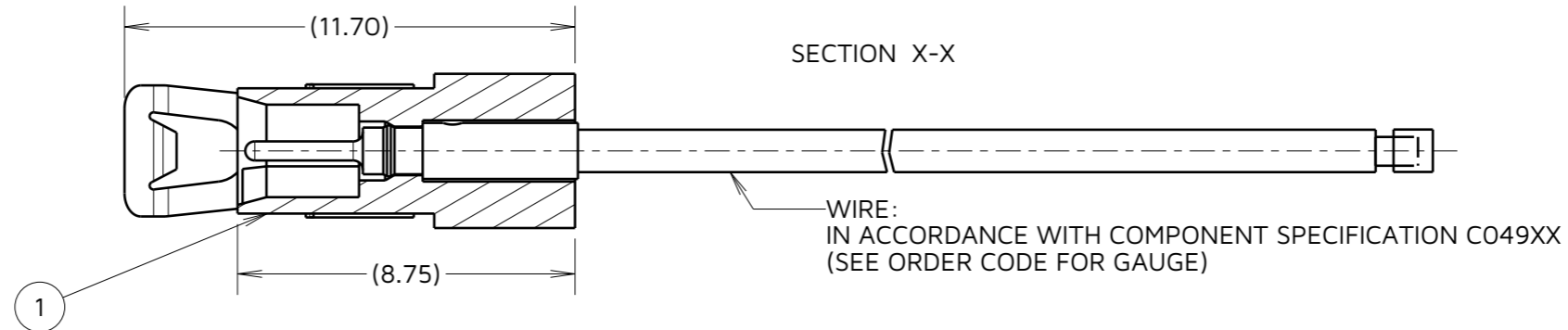
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

MALE SINGLE ROW (SIL)
M80-MDXXXXXLX-XXXXLXX



VARIANT FOR ILLUSTRATIVE PURPOSES ONLY
SEE ORDER CODE FOR NUMBER OF POSITIONS



ORDER CODE: M80-MDXXXXXLX-XXXXLXX

CONNECTOR GENDER: _____
M = MALE

CONNECTOR GENDER: _____
D = SINGLE ROW (SIL)

WIRE GAUGE: _____
1 = 22AWG - 19 STRAND PTFE
2 = 24AWG - 7 STRAND PTFE
3 = 26AWG - 19 STRAND PTFE
4 = 28AWG - 7 STRAND PTFE
5 = 30AWG - 7 STRAND PTFE

TOTAL No. OF CONTACTS: _____
02, 03, 04, 05, 06, 07 & 17

DIM 'E' STRIPPED LENGTH: _____
BLANK = BLUNT CUT
01 = 01mm MIN
09 = 09mm MAX

DIM 'D' LENGTH: _____
0060 = 60mm MIN
9999 = 9999mm MAX
(SEE TABLE 6 FOR EXAMPLES)

LATCHES: _____
L0 = NO LATCHES
L4 = WITH LATCHES

WIRE COLOUR: _____
05 = WHITE
68 = MULTI-COLOURED (SEE TABLE 2)
98 = BLACK
99 = RED

TABLE 6: DIMENSION CALCULATIONS	
DIMENSION	MEASUREMENT
DIM 'A'	(TOTAL No. OF CONTACTS x 2) - 2.00
DIM 'B'	(TOTAL No. OF CONTACTS x 2) + 0.80
EXAMPLE PART No.:	
6 CONTACT LATCHED CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH = M80-MC50605L4-0450L	
17 CONTACT LATCHLESS CONNECTOR WITH 150mm OF 26AWG PTFE 7 STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH = M80-MC31768L0-0150L05	

RTP	1	05.02.25	35694
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				DRAWING NUMBER: M80-XXXXXXXLX-XXXXLXX