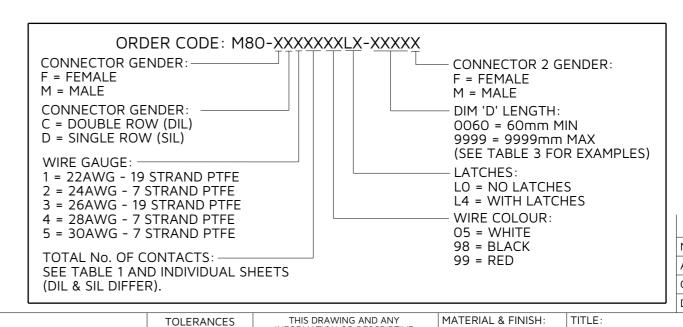
IF IN DOUBT - ASK

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

						TABLE	1: ORD	ER CODE	CONFI	GURATIONS & BILL OF MATER	IALS	
M80-XXXXXXLX-XXXXX								1	2	3		
				(SEE N	IOTE 5)					CONNECTOR 1 ASSEMBLY	WIRE (SEE CO49XX)	CONNECTOR 2 ASSEMBLY
		FC FD	1 2 3 4 5 A	DIL 04 06 08 10 12		LO			F	FEMALE DIL M80-889XX05 (22AWG) M80-888XX05 (24-28AWG) M80-788XX05 (30AWG) FEMALE SIL M80-899XX05 (22AWG) M80-898XX05 (24-28AWG) M80-798XX05 (30AWG)	- 22-30AWG:	FEMALE DIL M80-889XX05 (22AWG) M80-888XX05 (24-28AWG) M80-788XX05 (30AWG) FEMALE SIL M80-899XX05 (22AWG) M80-898XX05 (24-28AWG) M80-798XX05 (30AWG)
M80	-	MC MD	BCDEFGTJKLMNPQ	16 18 20 26 34 SIL 02 03 04 05 06 07 17	05 68 98 99	LO L4	-	XXXX	M F	MALE DIL M80-813XX05 (22AWG) M80-812XX05 (24-28AWG) MALE SIL M80-809XX05 (22AWG) M80-808XX05 (24-28AWG)	WHITE WIRE BLACK WIRE RED WIRE PTFE SEE ORDER CODE FOR STRANDING	MALE DIL M80-813XX05 (22AWG) M80-812XX05 (24-28AWG) MALE SIL M80-809XX05 (22AWG) M80-808XX05 (24-28AWG) FEMALE DIL M80-889XX05 (24-28AWG) M80-888XX05 (24-28AWG) M80-788XX05 (30AWG) FEMALE SIL M80-899XX05 (22AWG) M80-898XX05 (24-28AWG) M80-898XX05 (24-28AWG) M80-798XX05 (30AWG)



RTP 1 | 05.02.25 | 35694 DATE | CN/CO APPROVED: R.ALEXANDER A.YEOMANS DRAWN: R.PORTLOCK

- 1. FOR COMPLETE SPECIFICATION, INCLUDING WIRE TYPE AND GAUGE SEE COMPONENT SPECIFICATIONS C125XX & C049XX (LATEST ISSUES).
- 2. FOR ALL HOUSING DIMENSIONS, SEE RESPECTIVE DRAWINGS FOR BOM
- 3. CABLE ASSEMBLIES ARE INDIVIDUALLY PACKED IN BAGS.
- 4. CUSTOM LENGTH CABLE ASSEMBLIES CAN BE PRODUCED FROM 60mm TO 9999mm. SHORTER LENGTHS ARE POSSIBLE, BUT MUST BE
- 5. 30AWG OPTION IS ONLY AVAILABLE FOR THE FEMALE VARIANTS.



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 $X. = \pm 1$ mm $X.X = \pm 0.50$ mm $X.XX = \pm 0.20$ mm $X.XXX = \pm 0.01mm$

ANGLES = $\pm 5^{\circ}$ **UNLESS STATED**

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SEE ABOVE

TITLE: DATAMATE L-TEK DOUBLE-ENDED CABLE ASSEMBLY

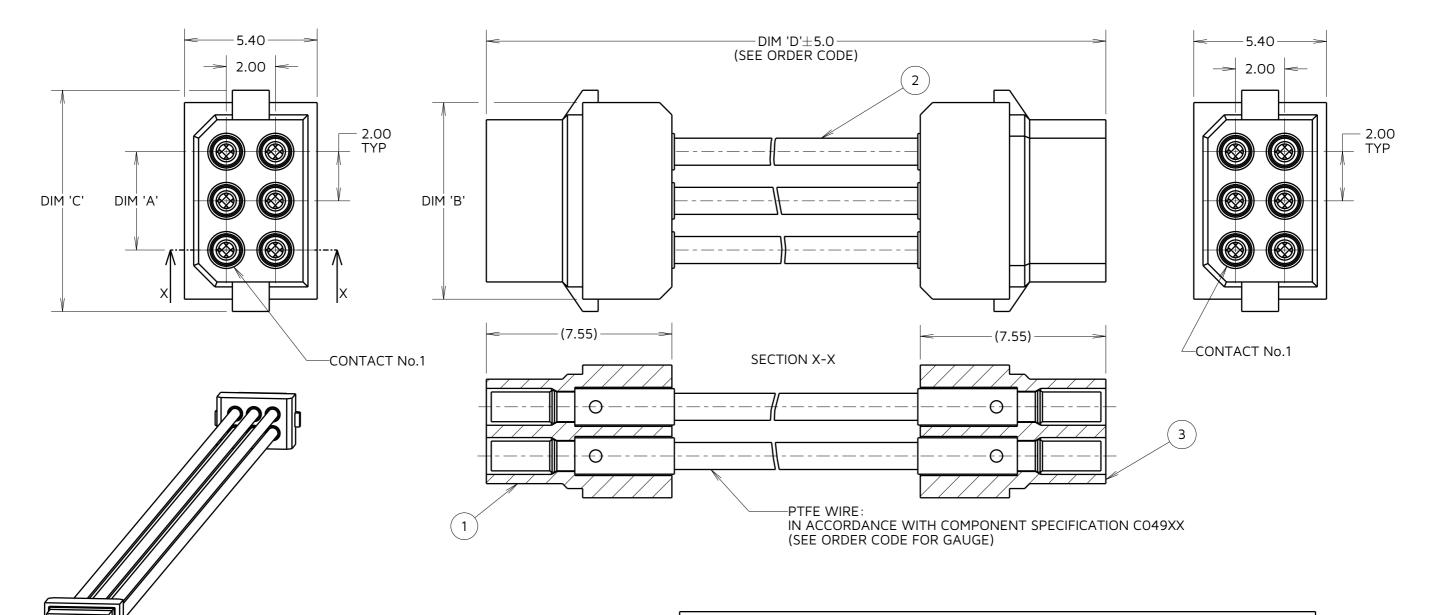
DRAWING NUMBER:

M80-XXXXXXXLX-XXXXX

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

FEMALE-TO-FEMALE DOUBLE ROW (DIL) M80-FCXXXXXL0-XXXXF



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

TABLE 2: 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			
EVAMBLE DART No :				

EXAMPLE PART No.:

6 CONTACT DOUBLE-ENDED CABLE ASSEMBLY WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE = M80-FC50605L0-0450F

26 CONTACT DOUBLE-ENDED CABLE ASSEMBLY WITH 150mm OF 26AWG 19 STRAND ETFE MULTI-COLOURED WIRE = M80-FCN2668L0-0150F

ORDER CODE: M80-FDXX	XXXLO-XXXXF
CONNECTOR 1 GENDER: ————————————————————————————————————	CONNECTOR 2 GENDER: F = FEMALE
CONNECTOR GENDER: C = DOUBLE ROW (DIL) WIRE GAUGE: 1 = 22AWG - 19 STRAND PTFE	DIM 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 2 FOR EXAMPLES)
2 = 24AWG - 7 STRAND PTFE 3 = 26AWG - 19 STRAND PTFE	LATCHES: LO = NO LATCHES
4 = 28AWG - 7 STRAND PTFE 5 = 30AWG - 7 STRAND PTFE	WIRE COLOUR: 05 = WHITE
TOTAL No. OF CONTACTS: ————————————————————————————————————	98 = BLACK 99 = RED

			,			
RTP	1	05.02.25	35694			
NAME	ISS.	DATE	CN/CO			
APPROVED: R.ALEXANDER						
CHECKED: A.YEOMANS						
DRAWI	/I·	R PORTI	OCK			

 $\begin{array}{c} \text{X. = } \pm 1\text{mm} \\ \text{X.X = } \pm 0.50\text{mm} \\ \text{X.XX = } \pm 0.20\text{mm} \end{array}$ $X.XXX = \pm 0.01mm$

ANGLES = $\pm 5^{\circ}$

UNLESS STATED

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TITLE: DATAMATE L-TEK DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

M80-XXXXXXLX-XXXXX

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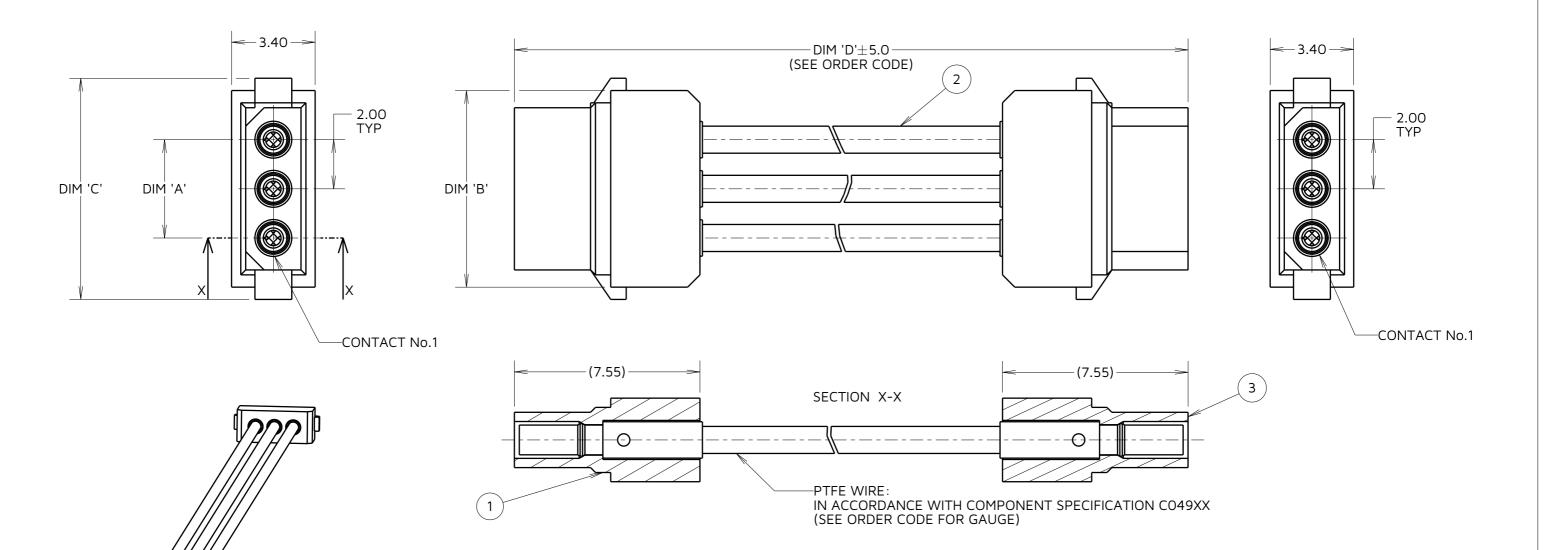
WRITTEN PERMISSION.

SEE ABOVE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

FEMALE-TO-FEMALE SINGLE ROW (SIL) M80-FDXXXXXL0-XXXXF



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

TABLE 3: 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.:

3 CONTACT DOUBLE-ENDED CABLE ASSEMBLY WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE = M80-FD50305L0-0450F

17 CONTACT DOUBLE-ENDED CABLE ASSEMBLY WITH 150mm OF 26AWG 19 STRAND ETFE MULTI-COLOURED WIRE = M80-FCN1768L0-0150F

ORDER CODE: M80-FDXXXX	XLO-XXXXF
CONNECTOR 1 GENDER: F = FEMALE	CONNECTOR 2 GENDER: F = FEMALE
CONNECTOR GENDER: D = SINGLE ROW (SIL) WIRE GAUGE: 1 = 22AWG - 19 STRAND PTFE	DIM 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 3 FOR EXAMPLES)
2 = 24AWG - 7 STRAND PTFE 3 = 26AWG - 19 STRAND PTFE	LATCHES: LO = NO LATCHES
4 = 28AWG - 7 STRAND PTFE 5 = 30AWG - 7 STRAND PTFE TOTAL No. OF CONTACTS: 02, 03, 04, 05, 06, 07 & 17	WIRE COLOUR: 05 = WHITE 98 = BLACK 99 = RED

			.			
RTP	1	05.02.25	35694			
NAME	ISS.	DATE	CN/CO			
APPROVED: R.ALEXANDER						
CHECK	ED:	A.YEOM	ANS			
DRAWI	V :	R.PORTL	ОСК			



 $\begin{array}{c} \text{X. = } \pm 1\text{mm} \\ \text{X.X = } \pm 0.50\text{mm} \\ \text{X.XX = } \pm 0.20\text{mm} \end{array}$ $X.XXX = \pm 0.01mm$ ANGLES = $\pm 5^{\circ}$

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TITLE: DATAMATE L-TEK DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

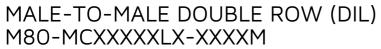
M80-XXXXXXLX-XXXXX

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UNLESS STATED WRITTEN PERMISSION.

SEE ABOVE

IN DOUBT - ASK (C) NOT TO SCALE THIRD ANGLE PROJECTION ALL DIMENSIONS IN mm



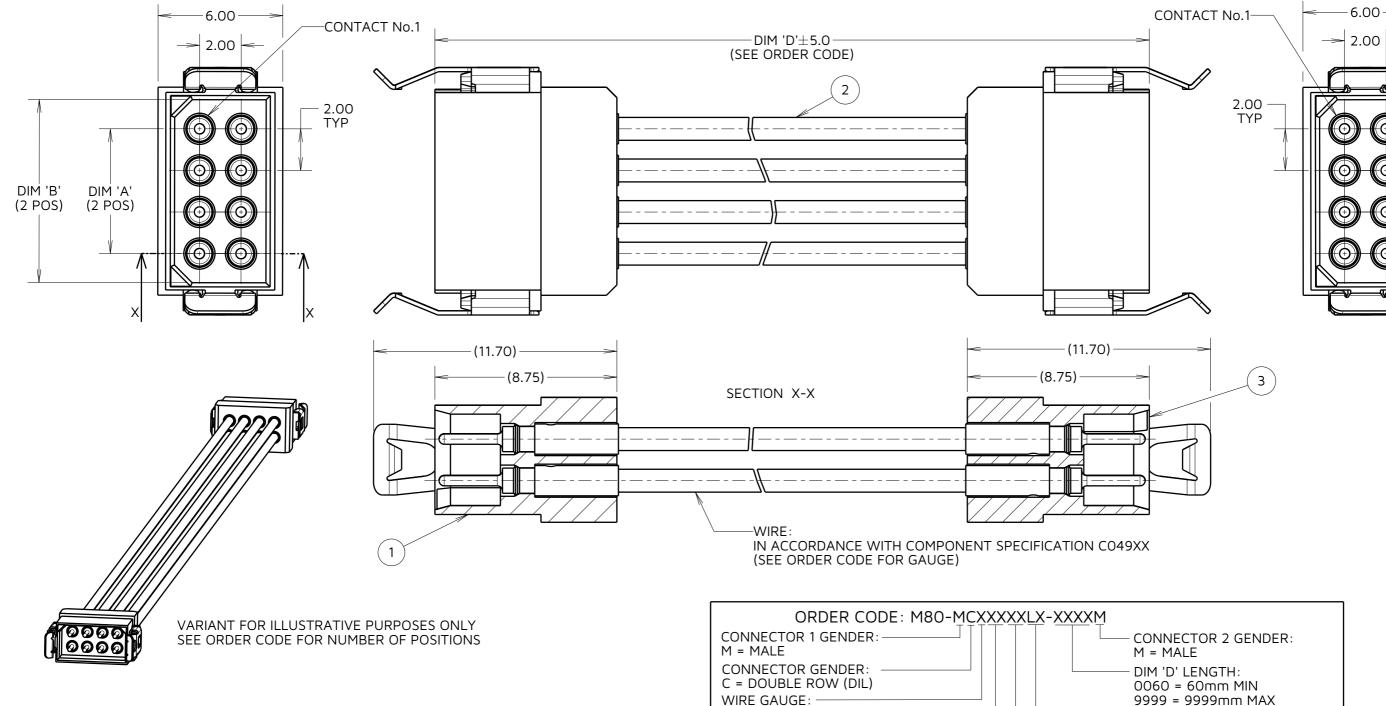


TABLE 4: DIMENSION CALCULATIONS				
DIMENSION	MEASUREMENT			
DIM 'A'	TOTAL No. OF CONTACTS - 2.00			
DIM 'B'	TOTAL No. OF CONTACTS + 0.80			
EVANDLE DADT No				

EXAMPLE PART No.:

6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH

= M80-MC50605L0-0450M

26 CONTACT CONNECTOR WITH 150mm OF 26AWG ETFE 19 STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH = M80-MC32668L0-0150M

ORDER CODE: M80-MC	XXXXXLX-XXXXM
CONNECTOR 1 GENDER: M = MALE	CONNECTOR 2 GENDER: M = MALE
CONNECTOR GENDER: C = DOUBLE ROW (DIL) WIRE GAUGE: 1 = 22AWG - 19 STRAND PTFE	DIM 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 4 FOR EXAMPLES)
2 = 24AWG - 7 STRAND PTFE 3 = 26AWG - 19 STRAND PTFE 4 = 28AWG - 7 STRAND PTFE 5 = 30AWG - 7 STRAND PTFF	LATCHES: L0 = NO LATCHES L4 = WITH LATCHES
TOTAL No. OF CONTACTS: ————————————————————————————————————	WIRE COLOUR: 05 = WHITE 98 = BLACK 99 = RED

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NAME	ISS.	DATE	CN/CO			
APPROVED: R.ALEXANDER						
CHECKED: A.YEOMANS						
DRAWI	۷:	R.PORTL	OCK			



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X. = ±1mm X.X = ±0.50mm X.XX = ±0.20mm X.XXX = ±0.01mm

TOLERANCES

 $ANGLES = \pm 5^{\circ}$ UNLESS STATED

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MATERIAL & FINISH:

SEE ABOVE

DATAMATE L-TEK
DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

M80-XXXXXXXLX-XXXXX

IF IN DOUBT - ASK

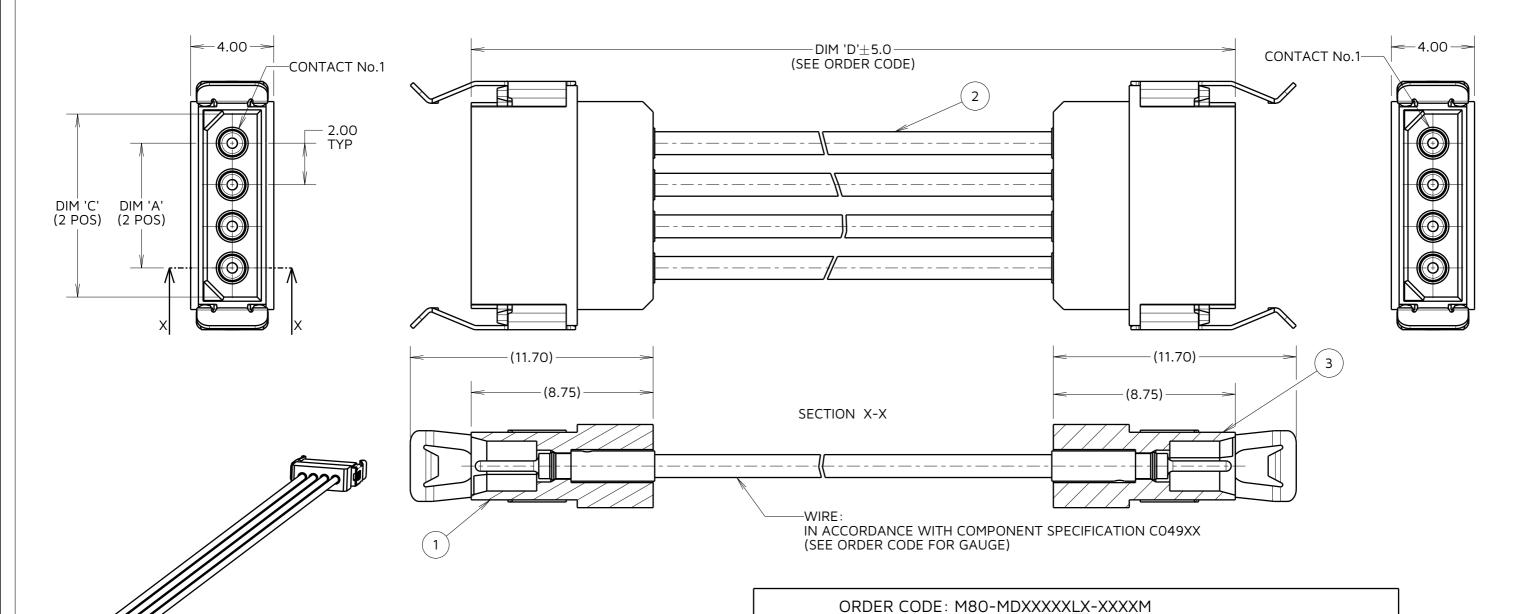
c)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

MALE-TO-MALE SINGLE ROW (SIL) M80-MDXXXXXLX-XXXXM



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

TABLE 5: DIMENSION CALCULATIONS				
DIMENSION	MEASUREMENT			
DIM 'A'	(TOTAL No. OF CONTACTS x2) - 2.00			
DIM 'B'	(TOTAL No. OF CONTACTS x2) + 0.80			
EXAMPLE PART No :				

6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH = M80-MD50605L0-0450M

17 CONTACT CONNECTOR WITH 150mm OF 26AWG ETFE 19
STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH
= M80-MDN11768LO-0150M

CONNECTOR 1 GENDER: — M = MALE	CONNECTOR 2 GENDER: M = MALE
CONNECTOR GENDER: C = DOUBLE 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 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 5 FOR EXAMPLES) LATCHES: LO = NO LATCHES L4 = WITH LATCHES WIRE COLOUR: 05 = WHITE 98 = BLACK 99 = RED

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



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TOLERANCES X. = ± 1 mm X.X = ± 0.50 mm X.XX = ± 0.20 mm

 $\rm X.XXX = \pm 0.01mm$ ANGLES = $\pm 5^{\circ}$ UNLESS STATED

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MATERIAL & FINISH:

SEE ABOVE

DATAMATE L-TEK
DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

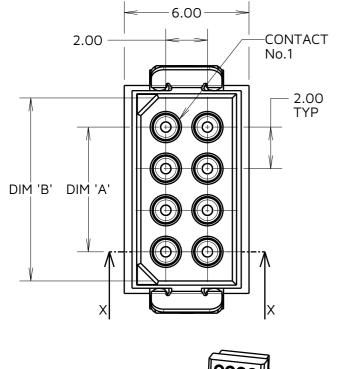
M80-XXXXXXXLX-XXXXX

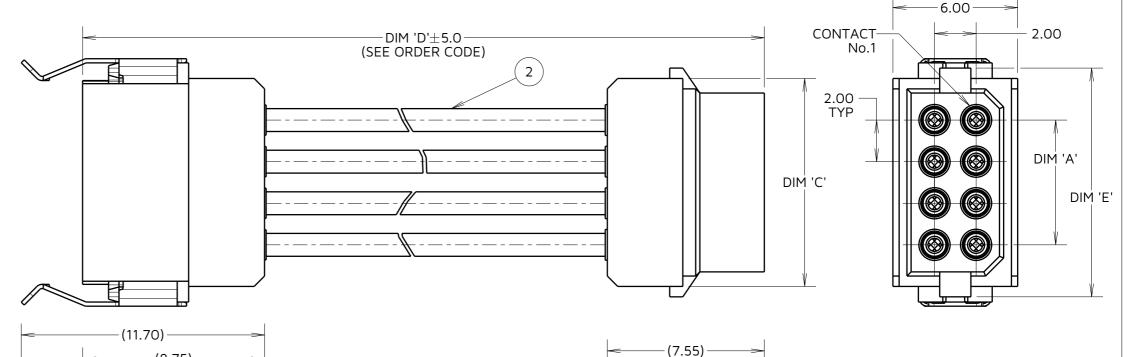
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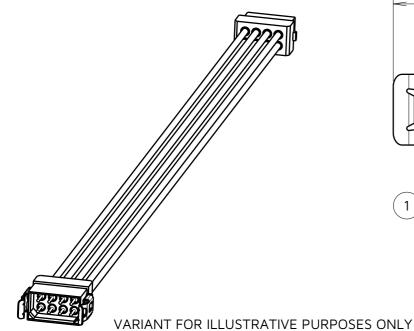
THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

MALE-TO-FEMALE DOUBLE ROW (DIL) M80-MCXXXXXLX-XXXXF







6: DIMENSION CALCULATIONS
MEASUREMENT
TOTAL No. OF CONTACTS - 2.00
TOTAL No. OF CONTACTS + 0.80
TOTAL No. OF CONTACTS + 2.00

TOTAL No. OF CONTACTS + 3.00

SEE ORDER CODE FOR NUMBER OF POSITIONS

EXAMPLE PART No.:

TABLE

DIMENSION

DIM 'A'

DIM 'B'

DIM 'C'

DIM 'E'

6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH

= M80-MC50605L0-0450M

26 CONTACT CONNECTOR WITH 150mm OF 26AWG ETFE 19 STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH = M80-MC32668L0-0150M

I		
	ORDER CODE: M80-MCXX	XXXLX-XXXXF
	CONNECTOR GENDER: M = MALE	
	CONNECTOR GENDER: 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:	

(SEE ORDER CODE FOR GAUGE)

SECTION X-X

CONNECTOR 2 GENDER: F = FEMALEDIM 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 6 FOR EXAMPLES)

LATCHES: LO = NO LATCHES

L4 = WITH LATCHES WIRE COLOUR: 05 = WHITE

98 = BLACK

99 = RED

MATERIAL & FINISH:

A.YEOMANS R.PORTLOCK

04, 06, 08, 10, 12, 14,

16, 18, 20, 26, 34

 $\begin{array}{c} \text{X. = } \pm 1\text{mm} \\ \text{X.X = } \pm 0.50\text{mm} \\ \text{X.XX = } \pm 0.20\text{mm} \end{array}$ $X.XXX = \pm 0.01mm$

TOLERANCES

ANGLES = $\pm 5^{\circ}$ **UNLESS STATED**

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IN ACCORDANCE WITH COMPONENT SPECIFICATION CO49XX

SEE ABOVE

DATAMATE L-TEK DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

M80-XXXXXXXLX-XXXXX

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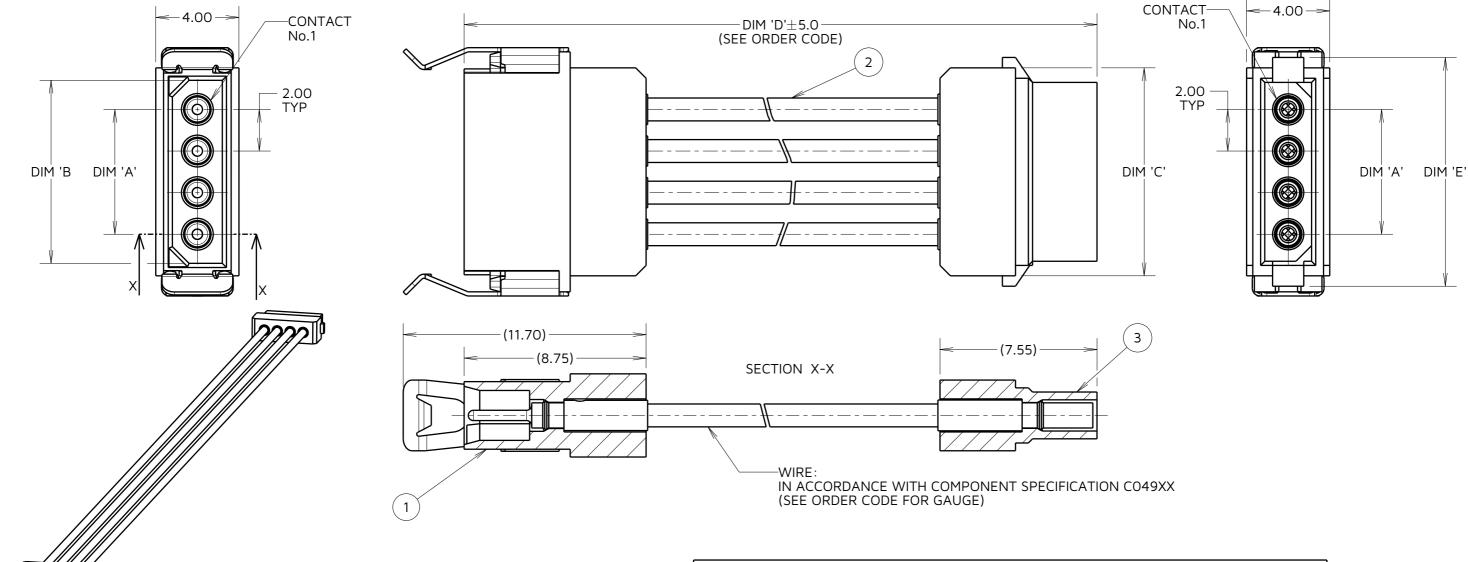
1 | 05.02.25 | 35694

APPROVED: R.ALEXANDER

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm

MALE-TO-FEMALE SINGLE ROW (SIL) M80-MDXXXXXLX-XXXXF



TA	BLE 7: DIMENSION CALCULATIONS
DIMENSION	MEASUREMENT
DIM 'A'	(TOTAL No. OF CONTACTS x2) - 2.00
DIM 'B'	(TOTAL No. OF CONTACTS x2) + 0.80
DIM 'C'	(TOTAL No. OF CONTACTS x2) + 2.00
DIM 'E'	(TOTAL No. OF CONTACTS x2) + 3.00

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

EXAMPLE PART No.:

6 CONTACT CONNECTOR WITH 450mm OF 30AWG PTFE 7 STRAND WHITE WIRE WITH NO STRIPPED LENGTH

= M80-MD50605L0-0450M

17 CONTACT CONNECTOR WITH 150mm OF 26AWG ETFE 19 STRAND MULTI-COLOURED WIRE WITH 5mm STRIPPED LENGTH = M80-MDN11768L0-0150M

ORDER CODE: M80-MCXXX 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	CONNECTOR 2 GENDER: F = FEMALE DIM 'D' LENGTH: 0060 = 60mm MIN 9999 = 9999mm MAX (SEE TABLE 7 FOR EXAMPLES) LATCHES: LO = NO LATCHES L4 = WITH LATCHES
TOTAL No. OF CONTACTS: ————————————————————————————————————	WIRE COLOUR: 05 = WHITE 98 = BLACK 99 = RED

RTP	1	05.02.25	35694			
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APPROVED: R.ALEXANDER						
CHECKED:		A.YEOMANS				
DD AVA/NI.		D DODTI	OCK			



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TOLERANCES $\begin{array}{c} \text{X. = } \pm 1\text{mm} \\ \text{X.X = } \pm 0.50\text{mm} \\ \text{X.XX = } \pm 0.20\text{mm} \end{array}$

 $X.XXX = \pm 0.01mm$ ANGLES = $\pm 5^{\circ}$ UNLESS STATED

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MATERIAL & FINISH:

SEE ABOVE

DATAMATE L-TEK DOUBLE-ENDED CABLE ASSEMBLY

DRAWING NUMBER:

M80-XXXXXXLX-XXXXX