



PART NO.

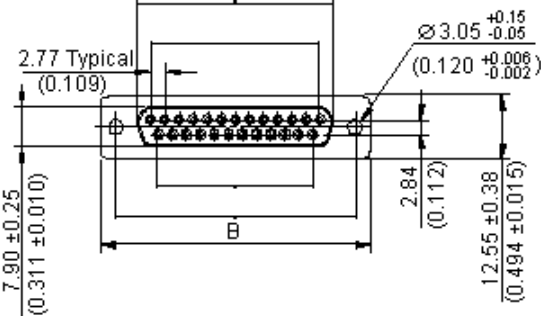
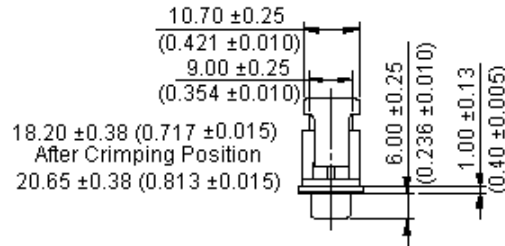
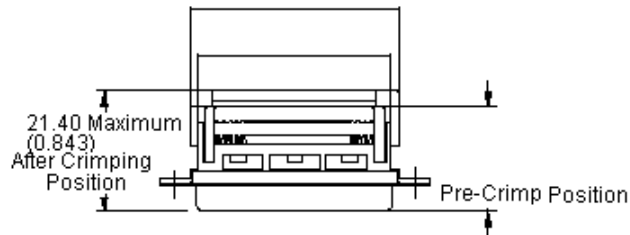
8FSM Series

REVISIONS

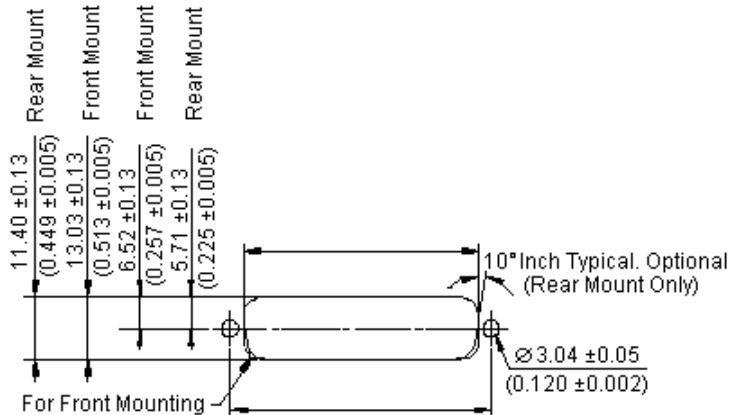
ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	Veena	21/03/09	Suresh	21/03/09	Farnell	04/04/09

Specifications:

Current rating	: 1 amperes.
Minimum insulation resistance	: $\geq 1000M\Omega$ (at 500V dc).
Minimum dielectric withstanding voltage	: 500V ac (for one minute).
Operating temperature	: -55°C to 105°C.
Contact resistance	: $\leq 15m\Omega$.
Dielectric material	: PBT with glass-fibre reinforced.
Colour	: Black, blue and grey (optional).
Contact material	: Phosphor bronze.
Contact plating	: Gold over nickel.
Wire size	: AWG 26 and 28 stranded, 1.27mm conductor centre flat cable.



Recommended Panel Cut-out Dimensions



Dimensions : Millimetres (Inches)

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DRAWN BY:

Veena

DATE:

21/03/09

CHECKED BY:

Suresh

DATE:

21/03/09

APPROVED BY:

Farnell

DATE:

04/04/09

DRAWING TITLE:

Metal D Type IDC Connectors - Unthreaded

SIZE
A

DWG NO.

M10001972

ELECTRONIC FILE
50302_DWGREV
A

SCALE: NTS

U.O.M.: mm (Inches)

SHEET: 1 OF 2



PART NO.

8FSM Series

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-	A	RELEASED	Veena	21/03/09	Suresh	21/03/09	Farnell	04/04/09

Specification Table

Number of Positions	A ± 0.13 (± 0.005)	B ± 0.25 (± 0.010)	C ± 0.13 (± 0.005)	D ± 0.13 (± 0.005)	E ± 0.25 (± 0.010)	F ± 0.25 (± 0.010)	H ± 0.25 (± 0.010)	I ± 0.13 (± 0.005) Rear Mounting	I ± 0.13 (± 0.005) Front Mounting	Part Number
9	24.99 (0.984)	30.80 (1.212)	11.08 (0.436)	8.31 (0.327)	16.10 (0.634)	18.60 (0.732)	16.33 (0.643)	20.47 (0.806)	22.20 (0.874)	8FSM09S-30N4-FEC
15	33.32 (1.312)	39.10 (1.539)	19.39 (0.763)	16.62 (0.654)	24.00 (0.945)	26.60 (1.047)	24.66 (0.971)	28.80 (1.134)	30.53 (1.202)	8FSM15S-30N4-FEC
25	47.04 (1.852)	53.09 (2.090)	33.24 (1.309)	30.47 (1.200)	38.14 (1.502)	40.90 (1.610)	38.39 (1.511)	42.52 (1.674)	44.27 (1.743)	8FSM25S-30N4-FEC
37	63.50 (2.500)	69.40 (2.732)	49.86 (1.963)	47.09 (1.854)	54.60 (2.150)	57.10 (2.248)	54.84 (2.159)	59.08 (2.326)	60.73 (2.391)	8FSM37S-30N4-FEC

Dimensions : Millimetres (Inches)

Part Number Explanation:

8F	SM	09	S	-	3	0	N	4	-	FEC
Series	Housing Construction Types	Number of Positions	Contact Type		Colour Codes	Contact Finish	Strain Relief	Metal Shell Finish		Customer

Series : 8F = D-SUB IDC Connector.
Housing Construction Types : SM = Standard Through Holes (With Metal Shell).
Number of Positions : 09 = 9, 15, 25 and 37 Positions.
Contact Type : S = Socket (Female).
Colour Codes : 3 = Black.
Contact Finish : 0 = Selective Gold Flash Over 30 μ Inches Nickel.
Strain Relief : N = Without Strain Relief.
Metal Shell Finish : 4 = Tin Plated Shell (Without Grounding Indents).
Customer : FEC = Inland.

<http://www.farnell.com><http://www.newark.com><http://www.cpc.co.uk>

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