

10090099-S094VLF - D-
Subminiature Economy Range
: Economy Range Signal 9
way Socket Right Angle Solder
US style, 50 cycles, Harpoons
+ Female Screw UNC 4 - 40 +
Elec cont.



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Mating Half

DE09P064TXLF

865609PLTXLF

Specifications

General

Contact type	Signal
Gender	Socket
Number of contacts (Total)	9
Orientation	Right Angle
Product Type	Connector
Termination Style	Solder

Dimensional

Size (Shell)	E
Thickness (Board)	1.6 mm

Electrical

Current rating	5A Per contact
Resistance (Contact)	< 25 milli-ohms
Voltage rating	250V rms at 50 Hz
Voltage rating (DWV - Dielectric withstanding)	1000V rms

Mechanical

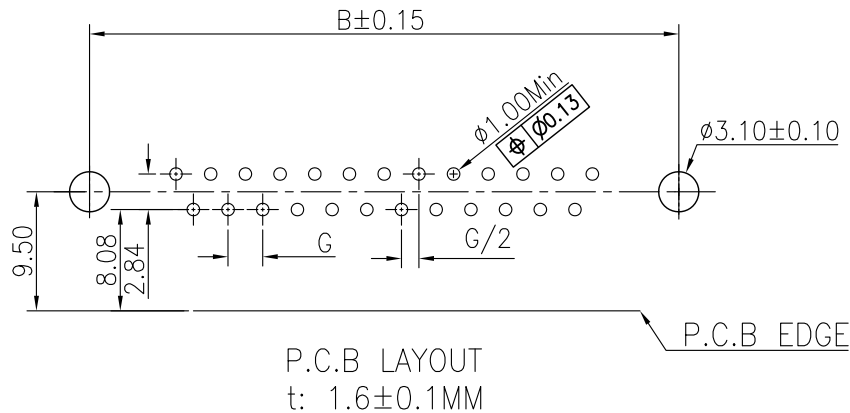
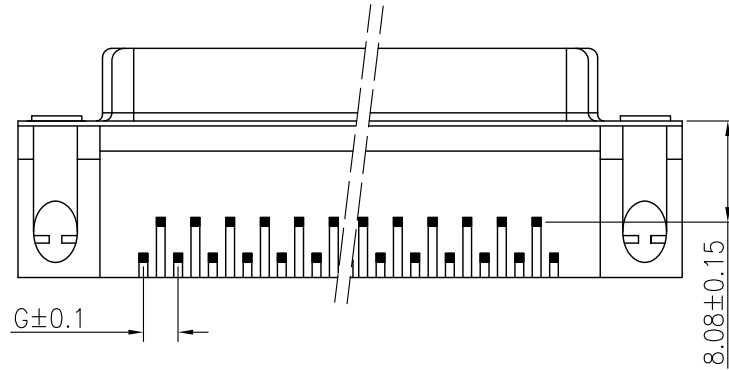
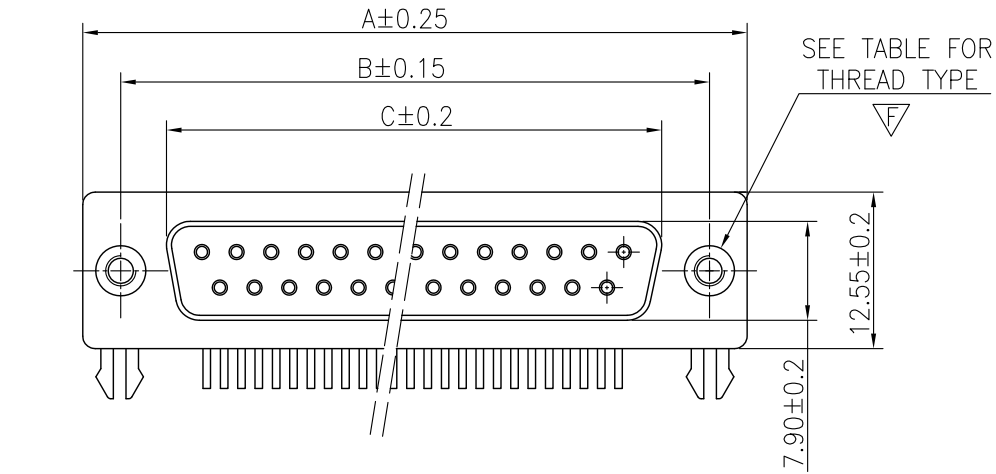
Durability (Plating - Mating cycles)	Std Class (>50 Mating Cycles)
Extraction force (Mating part)	0.3N min. Per contact
Insertion force (Mating part)	5N max. Per contact

Mounting

Attachment	Board
Mounting accessory	Harpoons + Female Screw UNC 4 - 40 + Elec cont.
Termination	US style

Physical

Plating (Contact)	Gold over Nickel
Plating (Shell)	Bright Tin over Nickel
Plating (Termination)	Matte Tin over Nickel
Temperature (Operating - range)	-55°C to +105°C
Approvals / Certifications	
Approvals / Certifications	UL / CSA In Process



REMARK:

1.CHARACTERISTICS:

RATED VOLTAGE: 250V
RATED CURRENT: 5AMP
CONTACT RESISTANCE: 25mohms MAX.INITIAL;40mohmsMAX.AFTER.
INSULATION RESISTANCE: 5000Mohms MIN.at 500V DC
DIELECTRIC STRENGTH: 1000VRMS
OPERATING TEMPERATURE RANGE: -55°C~105°C
INSERTION/EXTRACTION FORCE PER CONTACT :5N Max./0.3N Min.
MATING/UNMATING CYCLES :50MATINGS MIN.

2.MATERIAL:

INSULATORS: GLASS-FILLED THERMOPLASTIC UL94V-0, COLOR IN BLACK.
CONTACTS: COPPER ALLOY, SELECTIVE GOLD ON CONTACT AREA,
100u" Min MATTE TIN TOP OVER SOLDER AREA,
30u" Min NICKEL UNDER PLATE.
SHELL: STEEL,100u" Min NICKEL TOP OVER,
50u" Min COPPER UNDER PLATE.
BOARD LOCK :COPPER ALLOY,100u" Min MATTE TIN PLATED.

3. PART NUMBER DESCRIPTION:

10090099-S XX X X LF

SERIES NO.

TYPE

S: SOCKET (FEMALE)

NUMBER OF CONTACTS

09: 9-PIN

15: 15-PIN

25: 25-PIN

37: 37-PIN

LF: ROHS COMPLIANT

FLANGE MOUNTING OPTION

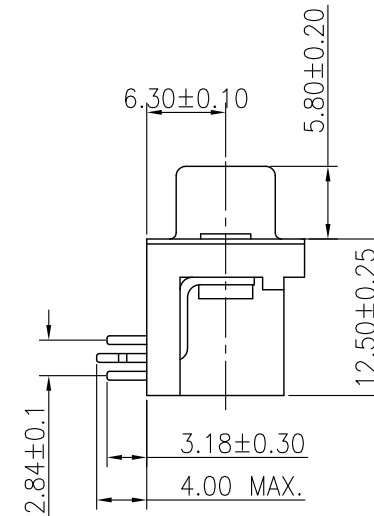
X: UNC #4-40 CLINCHNUTS

L: M3 CLINCHNUTS

CONTACT FINISH

4: GOLD FLASH

6: 30u" PLATING OPTION
AVAILABLE ON REQUEST

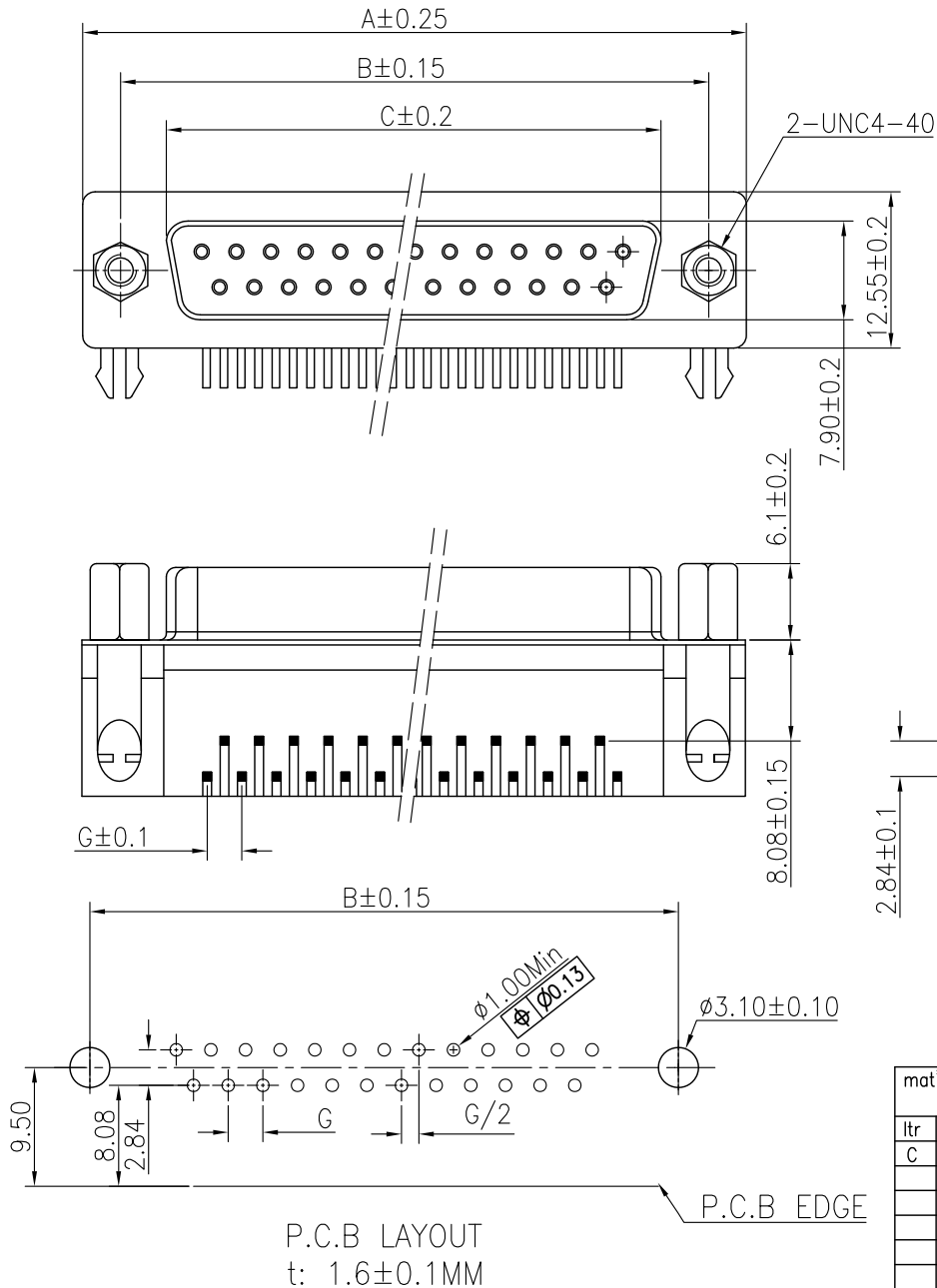


POS.	PART NO.		THREAD TYPE	
09P	10090099-S09*LLF		M3X0.5	
15P	10090099-S15*LLF		M3X0.5	
25P	10090099-S25*LLF		M3X0.5	
37P	10090099-S37*LLF		M3X0.5	
09P	10090099-S09*XLf		UNC 4-40	
15P	10090099-S15*XLf		UNC 4-40	
25P	10090099-S25*XLf		UNC 4-40	
37P	10090099-S37*XLf		UNC 4-40	
POS.	A	B	C	G
09P	30.81	24.99	16.33	2.74
15P	39.24	33.32	24.66	2.74
25P	53.04	47.04	38.38	2.77
37P	69.32	63.50	54.84	2.77

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.38	projection	title	www.fciconnect.com	
A	T09-1033	J.H	3/12/09		.XX ± 0.25				
B	T09-1044	J.H	4/2/09		.XXX ± 0.10				
C	ELX-I-13433	AB	9/11/12	angles	0° ±2°	MM	D-SUB FEMALE RIGHT-ANGLE US STYLE	product family D-SUB	
				dr	JASON HSU 3/12/09				
				enrg	JASON HSU 3/12/09				
				chr	ALIAS BABU 9/11/12	scale	size	dwg no 10090099	
				appd	MITHUN PAUL 9/11/12				
sheet index	revision sheet	C 1	C 2					code TWN sheet 1 of 2	

cage code

22526



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 100u" Min MATTE TIN TOP OVER SOLDER AREA,
 30u" Min NICKEL UNDER PLATE.
 SHELL: STEEL,100u" Min NICKEL TOP OVER,
 50u" Min COPPER UNDER PLATE.
 BOARD LOCK :COPPER ALLOY,100u" Min MATTE TIN PLATED.
 SCREW LOCK: COPPER ALLOY, 100u" Min BRIGHT NICKEL PLATED.

3. PART NUMBER DESCRIPTION:

SERIES NO. 10090099-S XX X X LF
 TYPE S: SOCKET (FEMALE)
 NUMBER OF CONTACTS 09: 9-PIN
 15: 15-PIN
 25: 25-PIN
 37: 37-PIN
 LF: ROHS COMPLIANT
 FLANGE MOUNTING OPTION V: UNC #4-40 SCREWLOCKS
 CONTACT FINISH A
 4: FLASH GOLD
 6: 30u" PLATING OPTION AVAILABLE ON REQUEST

POS.	PART NO.	A	B	C	G
09P	10090099-S09*VLF	30.81	24.99	16.33	2.74
15P	10090099-S15*VLF	39.24	33.32	24.66	2.74
25P	10090099-S25*VLF	53.04	47.04	38.38	2.77
37P	10090099-S37*VLF	69.32	63.50	54.84	2.77

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ltr	ecn no	dr	date	linear	.X ± 0.38	projection	title	www.fciconnect.com	
C					.XX ± 0.25			D-SUB FEMALE RIGHT-ANGLE US STYLE	
					.XXX ± 0.10				
				angles	0° ±2°	MM	scale		
				dr	JASON HSU 3/12/09			product family D-SUB	
				enrg	JASON HSU 3/12/09			code TWN	
				chr	ALIAS BABU 9/11/12	1:1	A4	size dwg no	
				appd	MITHUN PAUL 9/11/12			10090099	
								sheet 2 of 2	
sheet index	revision sheet								