

REMARK:  
1.CHARACTERISTICS:  
RATED VOLTAGE: 250V  
RATED CURRENT: 5AMP  
CONTACT RESISTANCE: 25mohms MAX.INITIAL;40mohms MAX.AFTER.  
INSULATION RESISTANCE: 5000Mohms MIN.at 500V DC  
DIELECTRIC STRENGTH: 1000VRMS  
OPERATING TEMPERATURE RANGE: -55℃~ 105℃  
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.

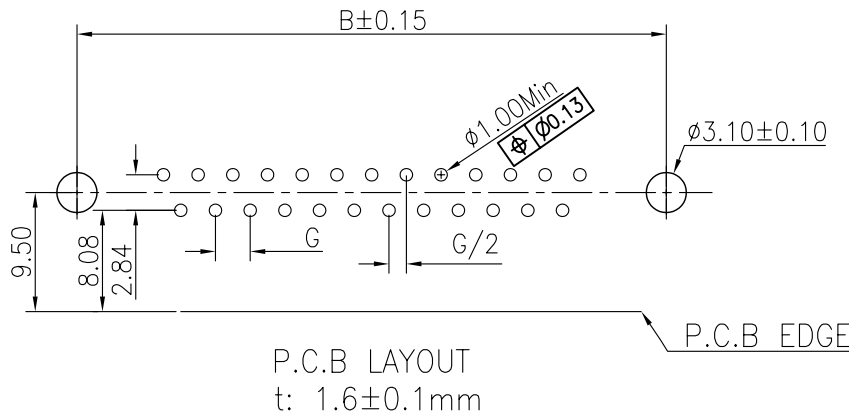
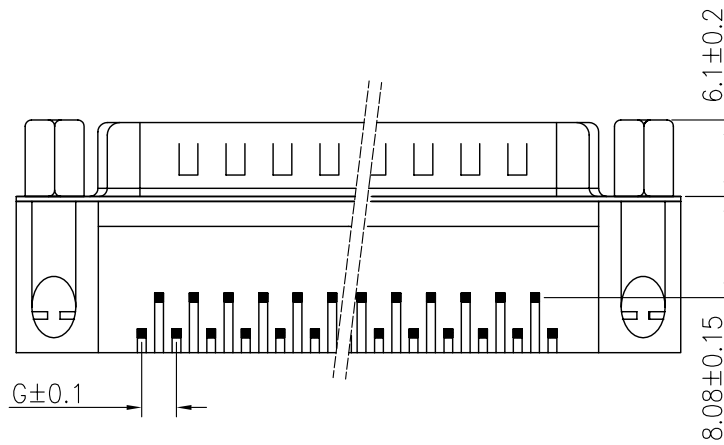
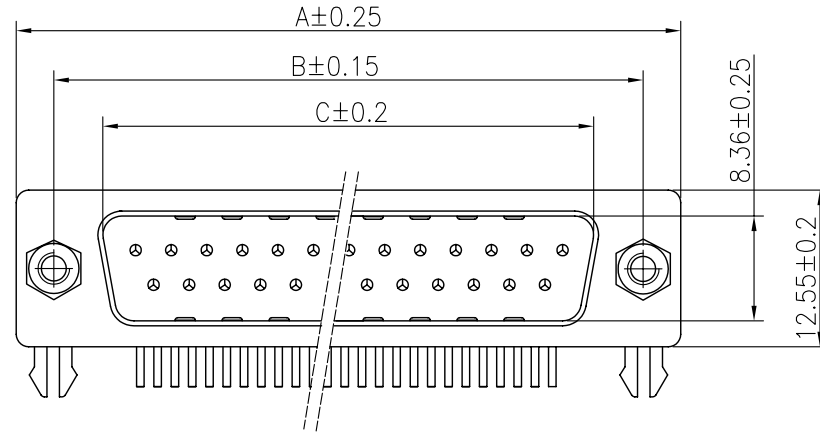
3. PART NUMBER DESCRIPTION: **10090097-P XX X X LF**

SERIES NO. \_\_\_\_\_ LF: ROHS COMPLIANT  
TYPE \_\_\_\_\_ FLANGE MOUNTING OPTION  
P: PIN (MALE) X: UNC #4-40 CLINCHNUTS  
NUMBER OF CONTACTS \_\_\_\_\_ L: M3 CLINCHNUTS  
09: 9-PIN  
15: 15-PIN  
25: 25-PIN  
37: 37-PIN  
CONTACT FINISH  
4: GOLD FLASH  
6: 30u" PLATING OPTION  
AVAILABLE ON REQUEST

POS.	PART NO.		THREAD TYPE	
09P	10090097-P09*LLF		M3X0.5	
15P	10090097-P15*LLF		M3X0.5	
25P	10090097-P25*LLF		M3X0.5	
37P	10090097-P37*LLF		M3X0.5	
09P	10090097-P09*XLF		UNC 4-40	
15P	10090097-P15*XLF		UNC 4-40	
25P	10090097-P25*XLF		UNC 4-40	
37P	10090097-P37*XLF		UNC 4-40	

POS.	A	B	C	G	H
09P	30.81	24.99	16.92	2.74	5.90 <sup>+0.15</sup> <sub>-0</sub>
15P	39.24	33.32	25.25	2.74	5.90 <sup>+0.15</sup> <sub>-0</sub>
25P	53.04	47.04	38.96	2.77	5.70 <sup>+0.25</sup> <sub>-0</sub>
37P	69.32	63.50	55.42	2.77	5.70 <sup>+0.25</sup> <sub>-0</sub>

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	.X ± 0.38	projection		www.fciconnect.com	
A	T09-1033	J.H	3/13/09		.XX ± 0.25			title D-SUB MALE RIGHT-ANGLE US STYLE	
B	T09-1044	J.H	4/2/09		.XXX ± 0.10				
C	ELX-I-13433	AB	9/11/12	angles	0° ±2°			product family D-SUB size dwg no 10090097	
				dr	JASON HSU 3/12/09	MM			
				enr	JASON HSU 3/12/09	scale		code TWN sheet 1 of 2	
				chr	ALIAS BABU 9/11/12	1:1			
				appd	MITHUN PAUL 9/11/12			cage code 22526	
sheet index	revision sheet	C	C						
		1	2						



# REMARK:

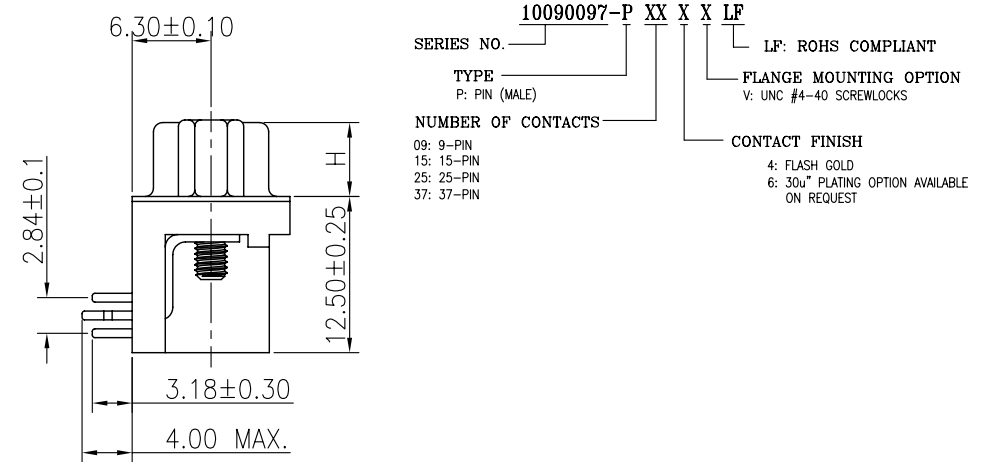
## 1.CHARACTERISTICS:

RATED VOLTAGE: 250V  
 RATED CURRENT: 5AMP  
 CONTACT RESISTANCE: 25mohms MAX.INITIAL; 40mohms MAX.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.  
 SCREW LOCK: COPPER ALLOY, 100u" Min BRIGHT NICKEL PLATED.

## 3. PART NUMBER DESCRIPTION:



POS.	PART NO.	A	B	C	G	H
09P	10090097-P09*VLF	30.81	24.99	16.92	2.74	5.90 <sup>+0.15</sup> <sub>0</sub>
15P	10090097-P15*VLF	39.24	33.32	25.25	2.74	5.90 <sup>+0.15</sup> <sub>0</sub>
25P	10090097-P25*VLF	53.04	47.04	38.96	2.77	5.70 <sup>+0.25</sup> <sub>0</sub>
37P	10090097-P37*VLF	69.32	63.50	55.42	2.77	5.70 <sup>+0.25</sup> <sub>0</sub>

mat'l. code				tolerances unless otherwise specified		CUSTOMER COPY		FCI	
ltr	ecn no	dr	date	linear	angles	projection	title	www.fciconnect.com	
C				.X ± 0.38	0° ± 2°	MM	D-SUB MALE RIGHT-ANGLE US STYLE		
				.XX ± 0.25					
				.XXX ± 0.10					
				dr	JASON HSU 3/12/09		product family D-SUB	code	
				enr	JASON HSU 3/12/09		size dwg no	TWN	
				chr	ALIAS BABU 9/11/12			sheet	
				appd	MITHUN PAUL 9/11/12			2 of 2	
sheet index	revision	sheet							