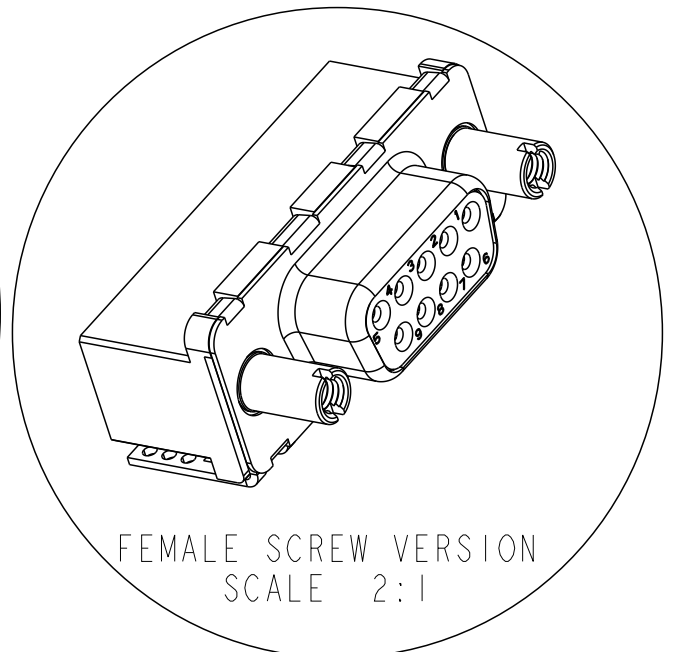
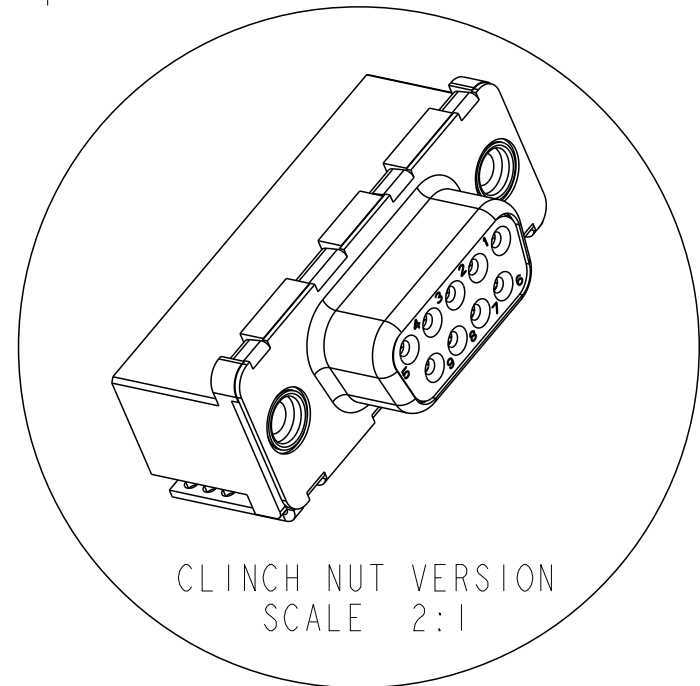
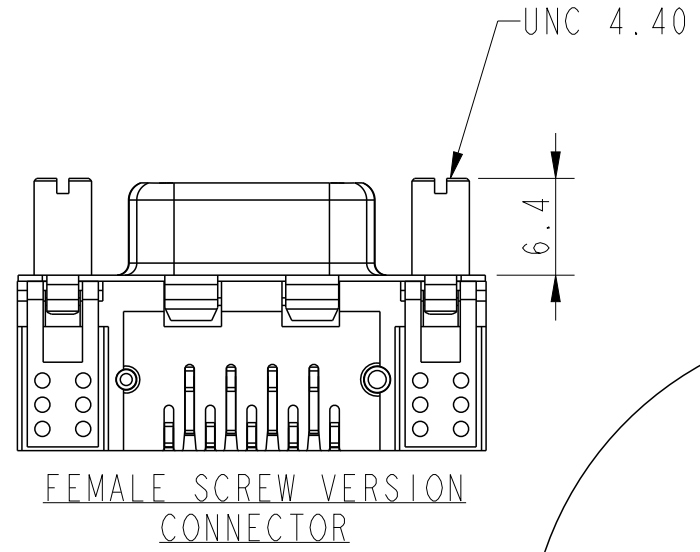
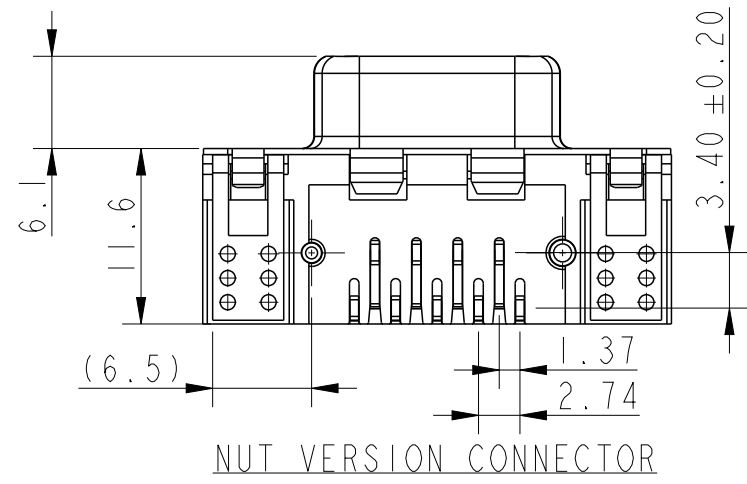
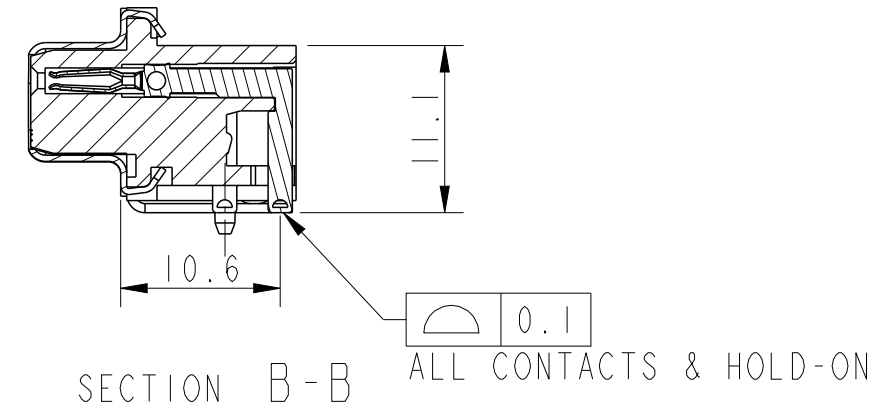
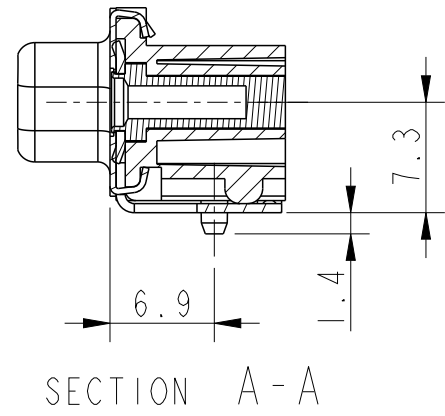
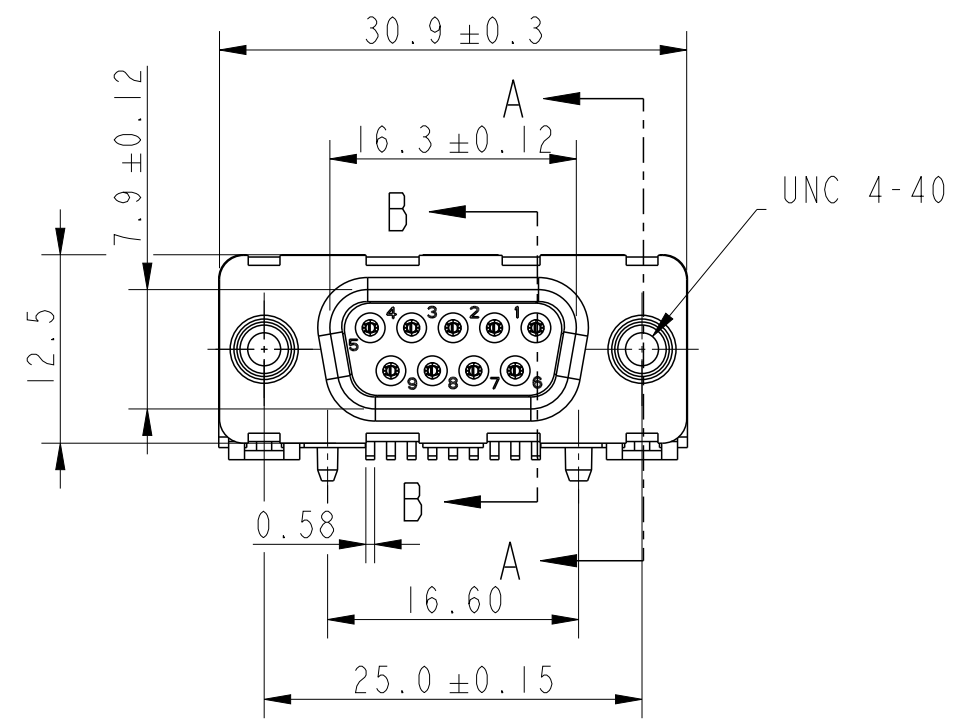
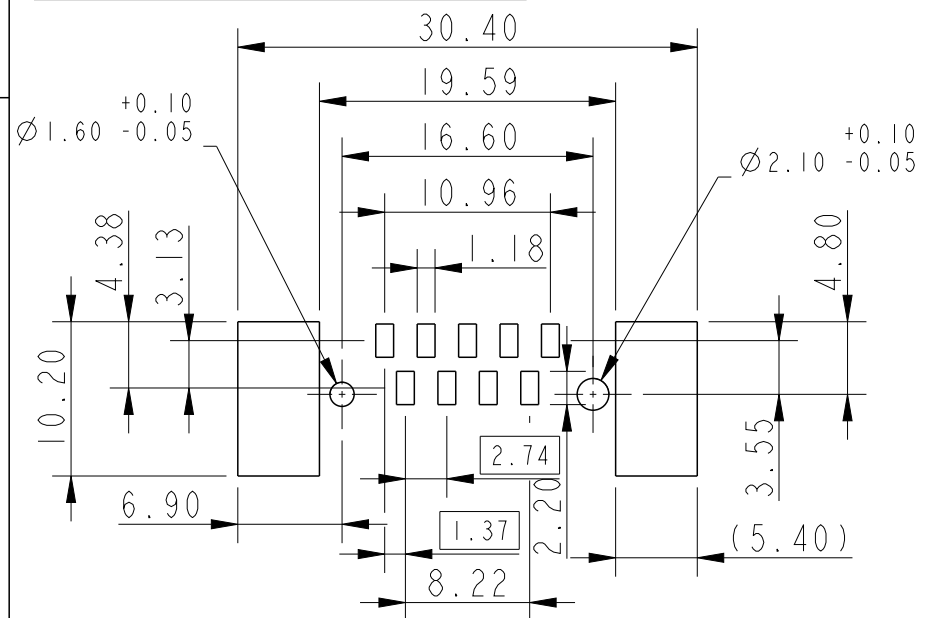


REFER SHEET 2 FOR PART NUMBER & PACKAGING DETAILS
REFER SHEET 3 FOR TECHNICAL CHARATERITICS



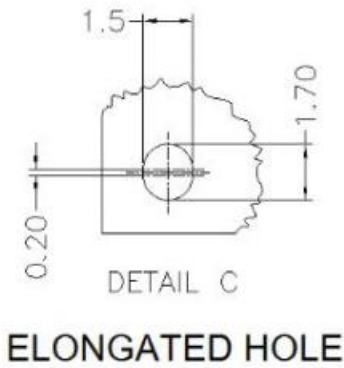
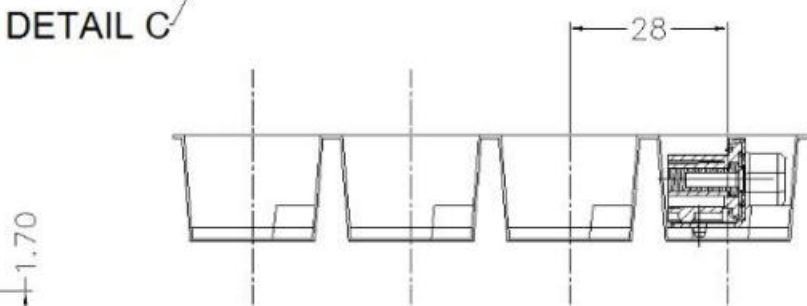
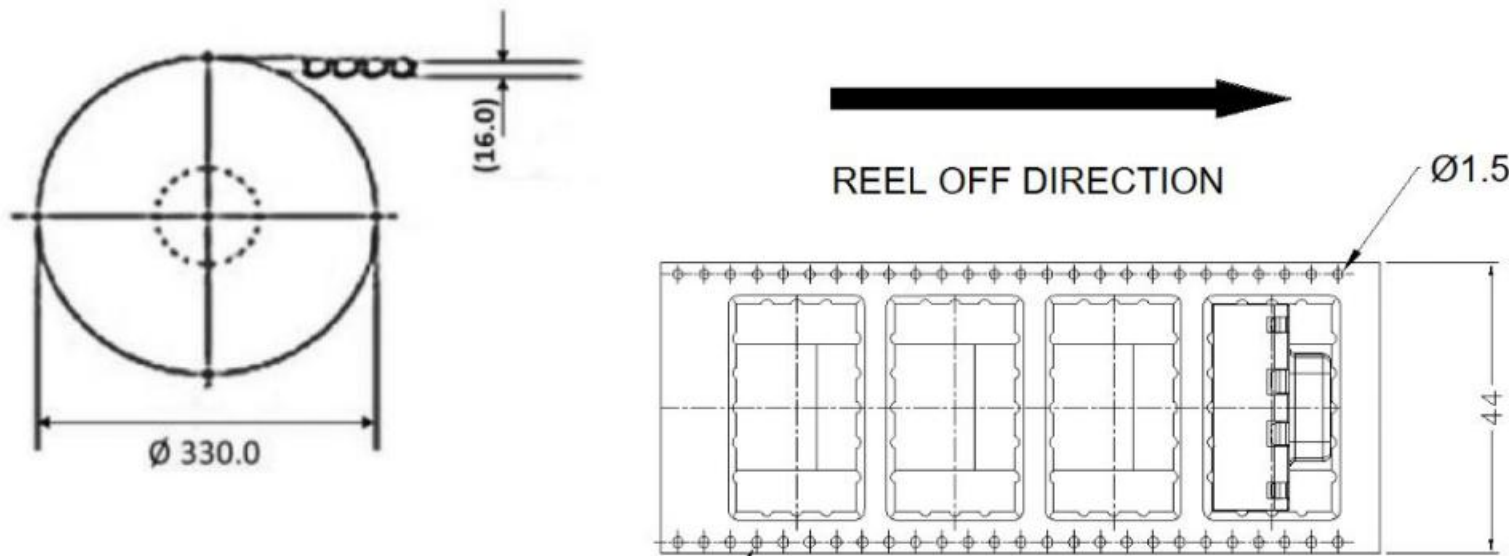
RECOMMENDED PCB LAYOUT



spec ref	dr	Gregar Mathew	2019/10/24	projection	MM	size	A3	scale	2:1
tolerance std	eng	Gregar Mathew	2024/04/19	chr	-	ecn no	ELX-I-51292-1	rel level	Released
ISO 406	appr	Alex Babu	2024/04/24	product family	D-SUB	rel level	Released	rev	E
ISO 1101	surface	linear	0.X ±0.30	Amphenol FCI	D-SUB SMT CONNECTOR		dwg no	10153830	cat. no.
		angular	0° ±1°	amphenol-icc.com	09 POSITION FEMALE		Product - Customer Drw	sheet 1 of 3	

PACKAGING NOTES:

Packaging : Tape & Reel
Quantity Per Reel : 120 Connector/Reel (Leader Minimum,300 mm,Trailer Minimum 200 mm)



ORDERING INFORMATION

SERIES	D 09 S 70S 6 UX 12 LF	LF - LEAD FREE
No. OF CONTACTS	09	PACKAGING SPECIFICATION
TYPE OF CONTACT	S - SOCKET	12 - TAPE & REEL PACKING
TERMINATION STYLE	70S - NORMAL SMT	MOUNTING OPTION
		UL - INSERT M3
		+ ELEC. CONTINUITY
		UX - INSERT UNC 4.40
		+ ELEC. CONTINUITY
		UV - FEMALE SCREW 4.40
		+ ELEC. CONTINUITY
		PERFORMANCE CLASS
		4 - 200 MATING/UNMATING
		6 - 500 MATING/UNMATING

dr	Gregar Mathew	2019/10/24	projection	MM	size	A3	scale	2:1
eng	Gregar Mathew	2024/04/19			ecn no	ELX-I-51292-1		
chr	-	-			rel level	Released		
appr	Alex Babu	2024/04/24	product family	D-SUB				
Amphenol FCI	D-SUB SMT CONNECTOR				dwg no	10153830	rev	E
amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 2 of 3	

NOTES:

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL : LCP 30% GF
- CONTACT MATERIAL : COPPER ALLOY WITH AU/GXT PLATING
- CONTACT PLATING : MATING AREA, 0.065µm Au Mini + 0.69µm PdNi Mini Over 2µm Ni Mini
- GROUNDING MATERIAL : BRASS WITH MATTE TIN PLATING
- NUT/FEMALE SCREW : BRASS WITH MATTE TIN PLATING

ELECTRICAL CHARACTERISTICS

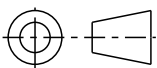
- MAXIMUM RATING CURRENT : 3.7A AT 70°C
- CONTACT RESISTANCE : <25mΩ
- VOLTAGE PROOF : >1000 V.r.m.s.
- RATED VOLTAGE : 300 V.r.m.s.
- Insulation resistance : >5000MΩ
- Creepage and clearance distance: >1mm
- Average wiping length : 2mm

MECHANICAL CHARACTERISTICS

- RETENTION AGAINST TORQUE :
 - THREADED INSERT : 0.7 N.m Maximum
 - FEMALE SCREW : 0.5 N.m Maximum

NOTE RoHS INFORMATIONS

- The "LF" products meet European union Directives and other country regulations as described in GS-47-0004
- The housing will withstand exposure to 260 C peak temperature for 3.5 seconds in a reflow solder application with a 1.6 mm minimum thick circuit board.

dr	Gregar Mathew	2019/10/24	projection 	MM 	size	scale			
eng	Gregar Mathew	2024/04/19			A3	2:1			
chr	-	-			ecn no	ELX-I-51292-1			
appr	Alex Babu	2024/04/24	product family		D-SUB	rel level	Released		
Amphenol FCI	title	D-SUB SMT CONNECTOR			dwg no	10153830		rev	
		09 POSITION FEMALE							
amphenol-icc.com	cat. no.	-	Product - Customer Drw				sheet 3 of 3		