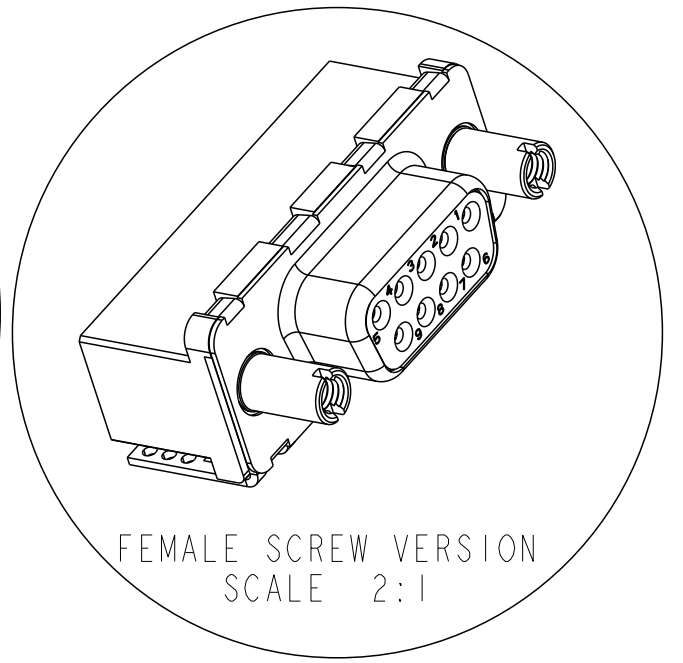
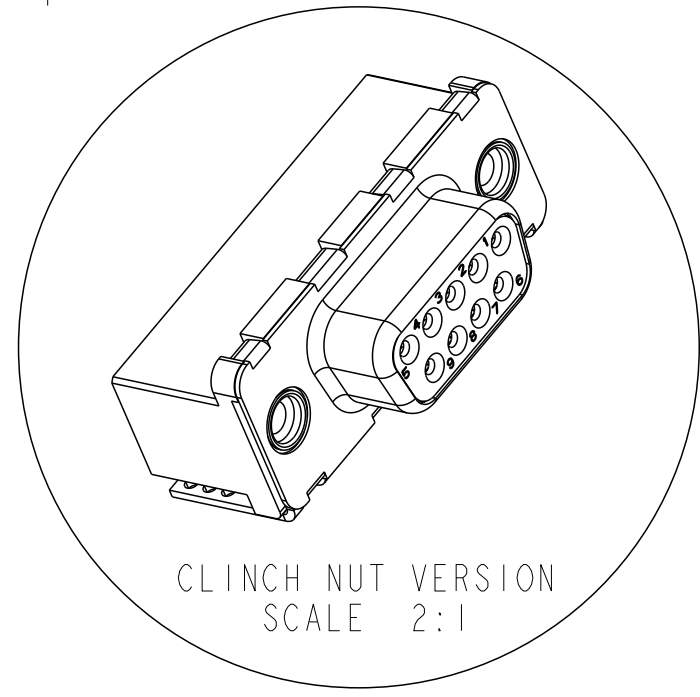
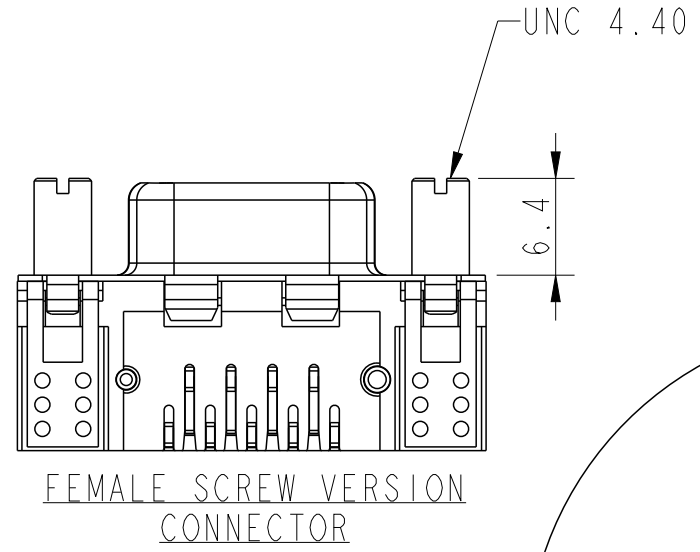
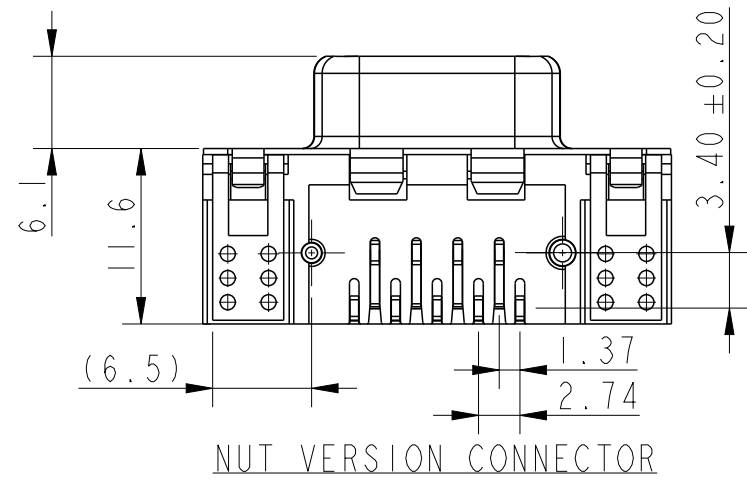
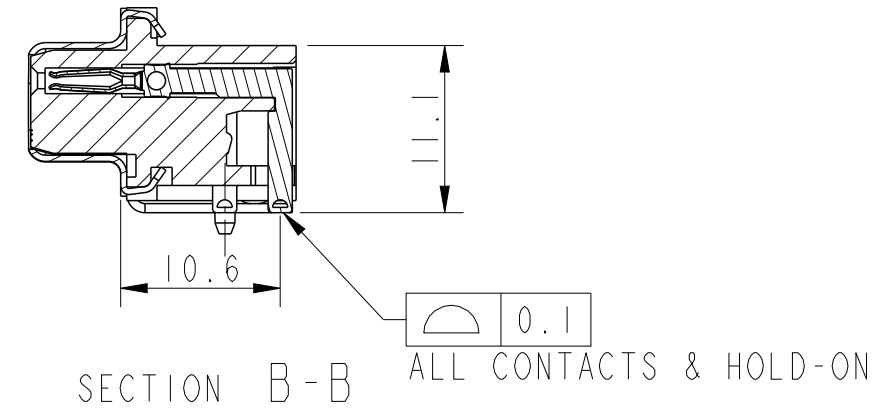
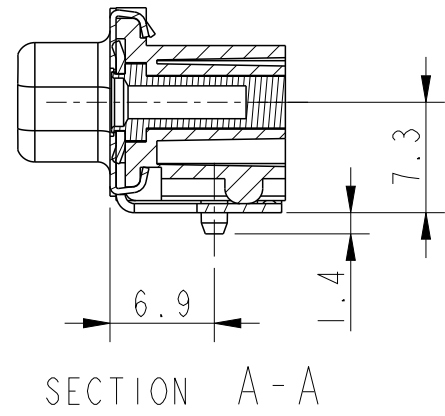
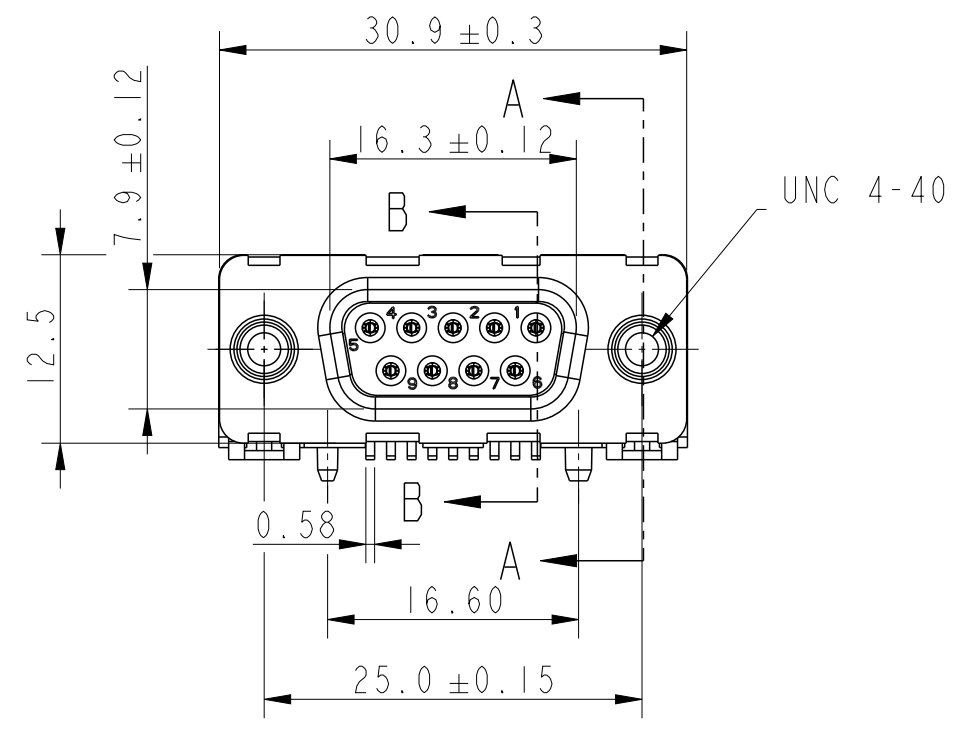
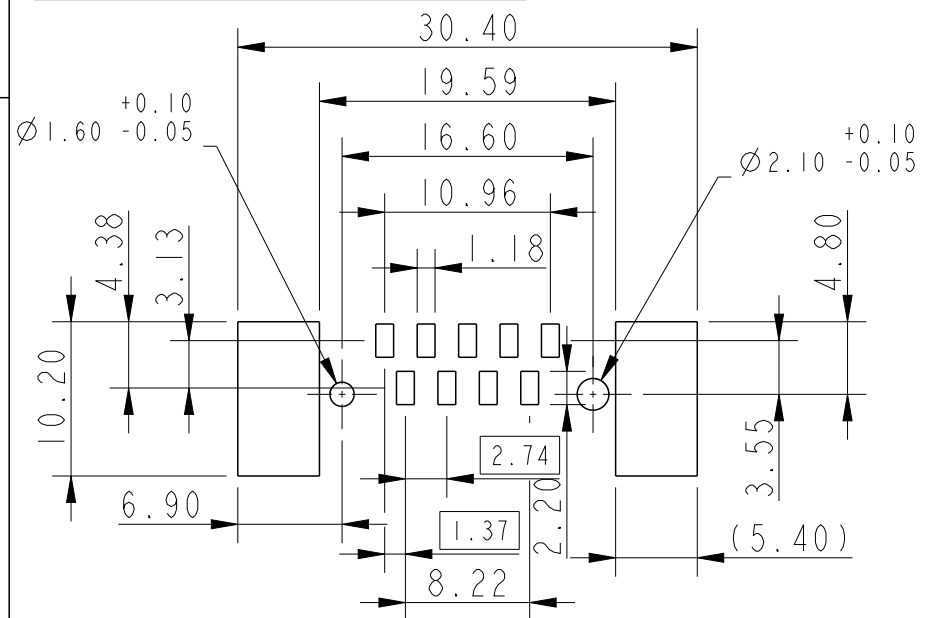


REFER SHEET 2 FOR PART NUMBER & PACKAGING DETAILS
REFER SHEET 3 FOR TECHNICAL CHARATERITICS



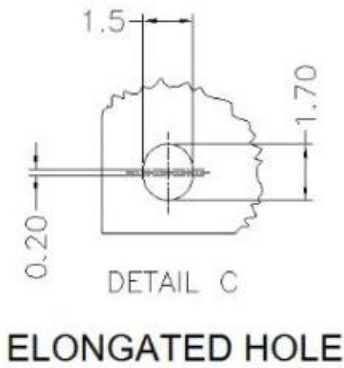
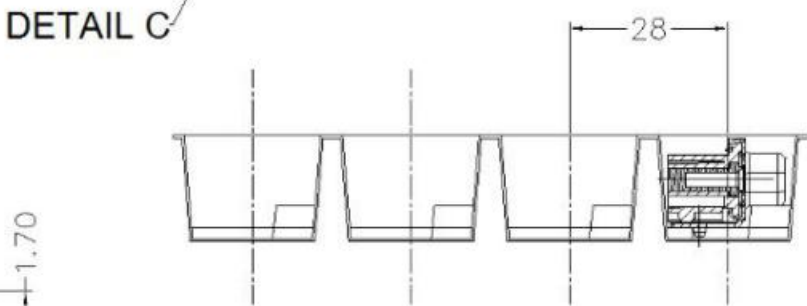
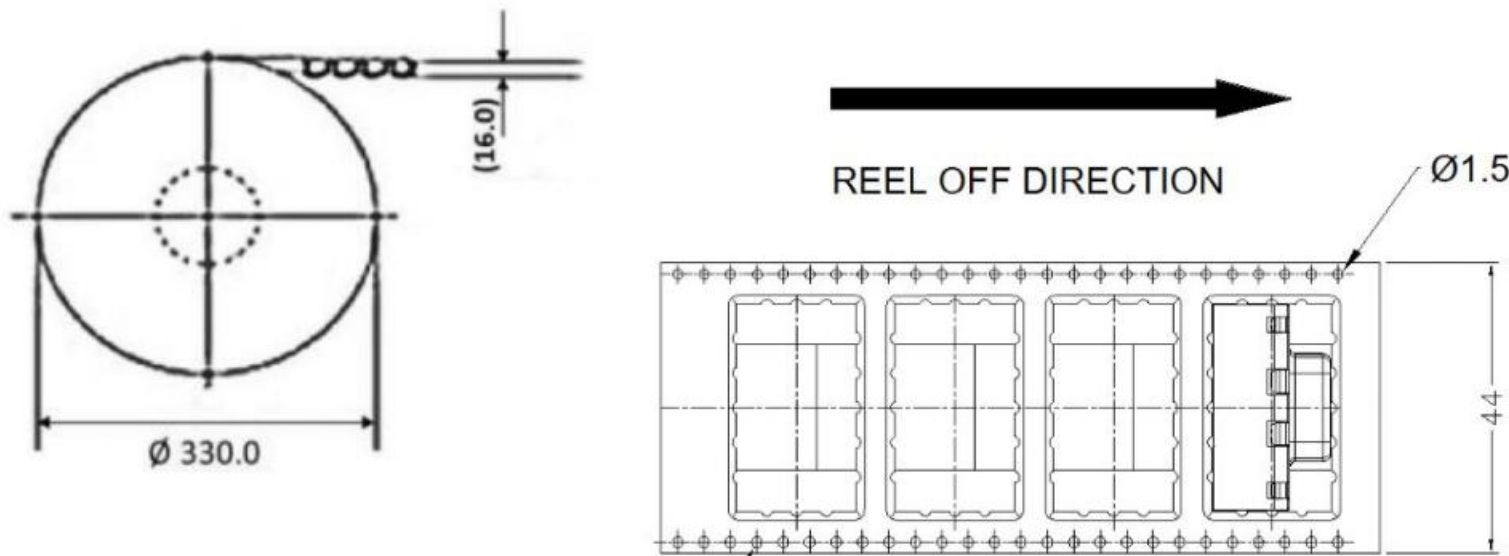
RECOMMENDED PCB LAYOUT



spec ref	dr	Gregar Mathew	2019/10/24	projection	MM	size	A3	scale	2:1
tolerance std	eng	Gregar Mathew	2025/09/23	chr	-	ecn no	ELX-I-57418-1	rel level	Released
ISO 406	appr	Alex Babu	2025/09/24	product family	D-SUB	rel level	Released	dwg no	10153830
ISO 1101	surface	linear	0.X ±0.30	Amphenol FCI	D-SUB SMT CONNECTOR	rev	F	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
No. OF CONTACTS 09
TYPE OF CONTACT S - SOCKET
TERMINATION STYLE 70S - NORMAL SMT
LF - LEAD FREE
PACKAGING SPECIFICATION 12 - TAPE & REEL PACKING
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	2025/09/23			ecn no	ELX-I-57418-1		
chr	-	-			rel level	Released		
appr	Alex Babu	2025/09/24	product family	D-SUB				
Amphenol FCI	D-SUB SMT CONNECTOR				dwg no	10153830	rev	F
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, Au/GXT Over Ni
- GROUNDING MATERIAL : BRASS WITH MATTE TIN PLATING
- NUT/FEMALE SCREW : BRASS WITH MATTE TIN PLATING

ELECTRICAL CHARACTERISTICS

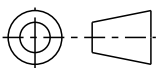
- MAXIMUM RATING CURRENT : 3.7A AT 70°C
- CONTACT RESISTANCE : <25mΩ
- VOLTAGE PROOF : >1000 V.r.m.s.
- RATED VOLTAGE : 300 V.r.m.s.
- Insulation resistance : >5000MΩ
- Creepage and clearance distance: >1mm
- Average wiping length : 2mm

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	A3	scale	2:1	
eng	Gregar Mathew	2025/09/23			ecn no	ELX-I-57418-1			
chr	-	-							
appr	Alex Babu	2025/09/24	product family		D-SUB	rel level Released			
Amphenol FCi	title D-SUB SMT CONNECTOR 09 POSITION FEMALE				dwg no	10153830			rev F
amphenol-icc.com	cat. no.		-		Product - Customer Drw				sheet 3 of 3