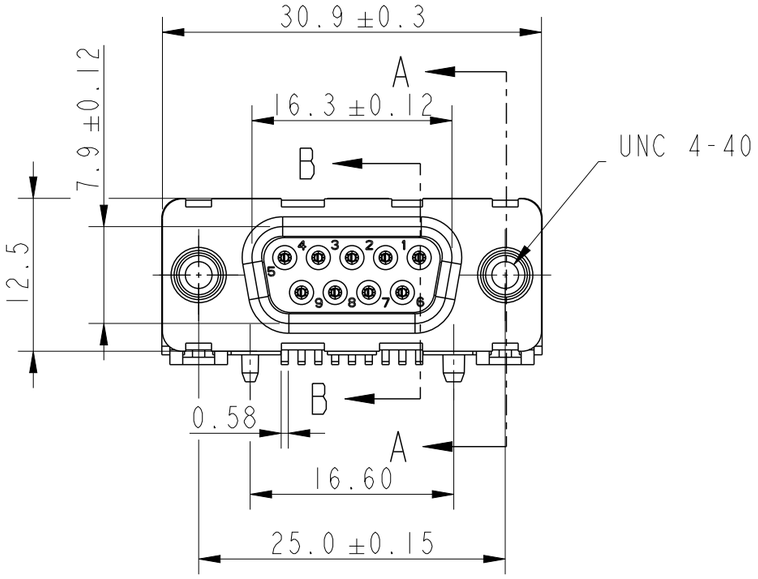
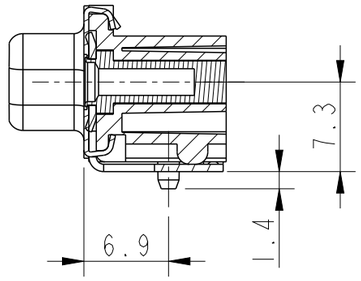
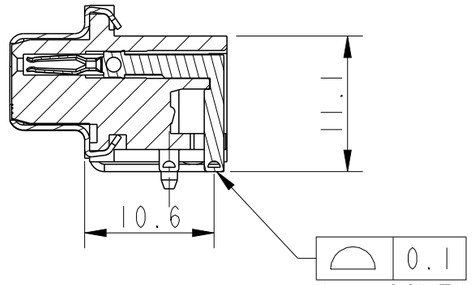
REFER SHEET 2 FOR PART NUMBER & PACKAGING DETAILS
REFER SHEET 3 FOR TECHNICAL CHARATERITICS

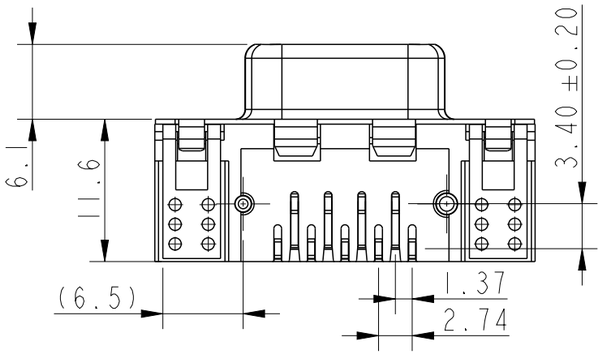




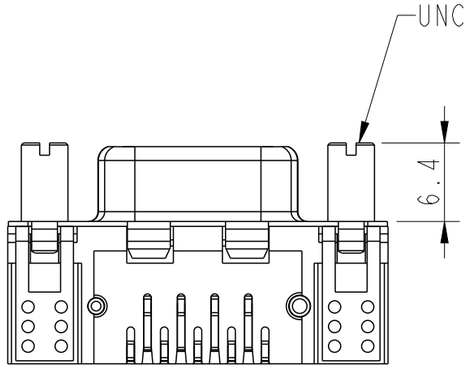
SECTION A-A



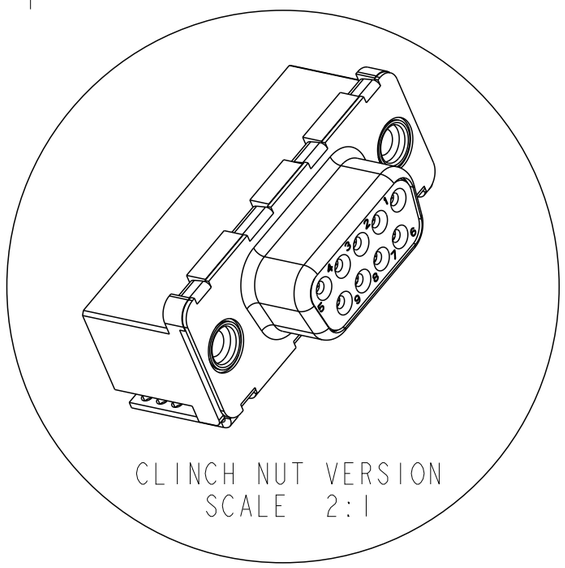
SECTION B-B
ALL CONTACTS & HOLD-ON



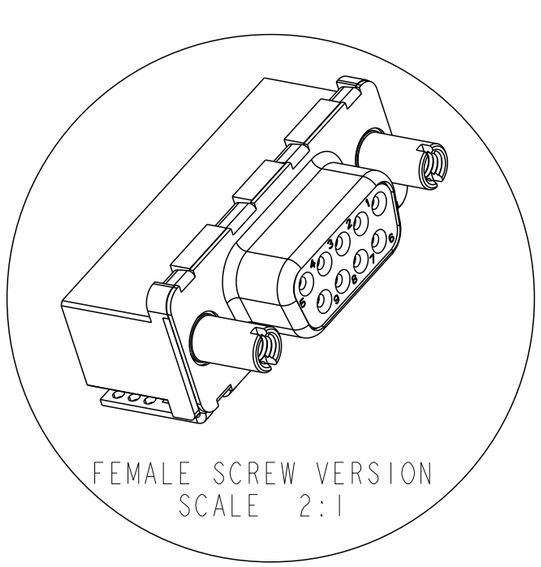
NUT VERSION CONNECTOR



FEMALE SCREW VERSION CONNECTOR

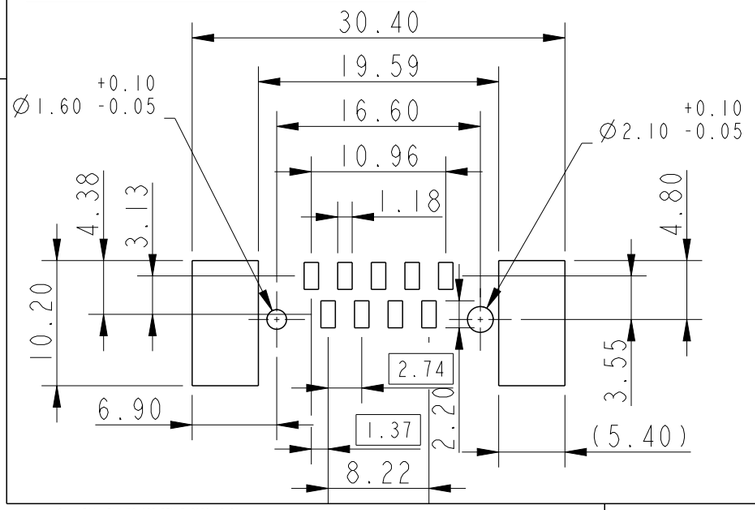


CLINCH NUT VERSION
SCALE 2:1



FEMALE SCREW VERSION
SCALE 2:1

RECOMMENDED PCB LAYOUT



Creo File:ELX-WC-A3C,REV F,2020-12-21

spec ref				dr	Gregar Mathew	2019/10/24	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Gregar Mathew	2025/09/23		
				chr	-	-		
				appr	Alex Babu	2025/09/24	product family D-SUB	
surface - ISO 1302	linear	0.X	±0.30	Amphenol FCi	title	D-SUB SMT CONNECTOR 09 POSITION FEMALE	dwg no	10153830
		0.XX	±0.15					
		0.XXX	±					
	angular	0°	±1°	amphenol-icc.com	cat. no.	-	Product - Customer Drw	

size	scale	rev
A3	2:1	F

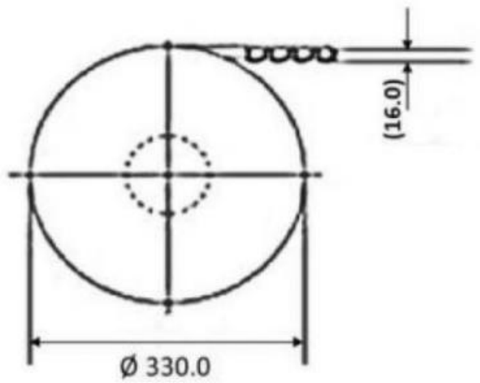
ecn no ELX-I-57418-1
rel level **Released**

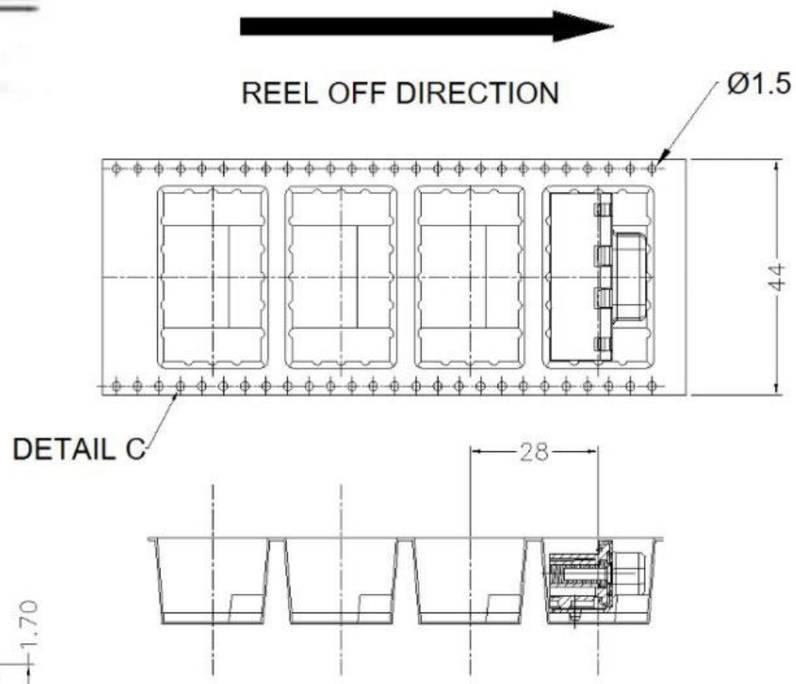
sheet 1 of 3

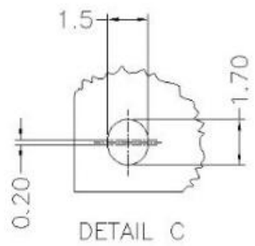
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PACKAGING NOTES:

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







ELONGATED HOLE

ORDERING INFORMATION

D 09 S 70S 6 UX 12 LF

SERIES

No.OF CONTACTS
09

TYPE OF CONTACT
S - SOCKET

TERMINATION STYLE
70S - NORMAL SMT

PERFORMANCE CLASS
4 - 200 MATING/UNMATING
6 - 500 MATING/UNMATING

MOUNTING OPTION
UL - INSERT M3
+ ELEC. CONTINUITY
UX - INSERT UNC 4.40
+ ELEC. CONTINUITY
UV - FEMALE SCREW 4.40
+ ELEC. CONTINUITY

PACKAGING SPECIFICATION
12 - TAPE & REEL PACKING

LF - LEAD FREE

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dr	Gregar Mathew	2019/10/24	projection	MM	size A3	scale 2:1
eng	Gregar Mathew	2025/09/23				
chr	-	-			ecn no	ELX-I-57418-1
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 2 of 3

Creo File:ELX-WC-A3C,REV F,2020-12-21

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 CHARACTERISTICSL
- 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 whistand exposure to 260 C peak temperature for 3.5 seconds in a reflow solder application with a 1.6 mm minimum thick circuit board.

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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

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PDS: Rev :F STATUS:Released Printed: Sep 24, 2025