

1			2		3		4		5		6		7		8		
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					01		INITIAL DESIGN			Ronnie	Richard	07/29/2022					
					02												
					03												

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CUSTOMER DRAWING

DRWC-004191

SPECIFICATION

MATERIAL

Dielectric: LCP

Housing: PA4T

Center Contacts: Brass

Outer Contact (Interface): Stainless steel

Outer Contact (PCB): Zamak

PLATING

Center Contact: Contact Area: 6u" gold

Solder Tails: 80u"~160u" Tin (Matte)

Underplate: 80u"~160u" Nickel

Outer Contact (Interface): 120u"~240u" Tin (Matte) over 40u"~120u" Nickel

Outer Contact (PCB): 80u"~160u" Tin Plated over 120u"~200u" Nickel Plated over

600u"~800u" Cu Underplated Overall

Outer Contact (Sheet): 80u"~160u" Tin (Matte) Plated over 80u"~160u" Nickel Underplated

ELECTRICAL

Impedance: 50Ω

Frequency: DC to 9GHz

Insulation resistance: $\geq 1 \times 10^3$ MΩ

Center Contact Resistance: ≤ 15 mΩ

Outer Contact Resistance: ≤ 5 mΩ

Test Votage: 800Vrms

Working Votage: ≤ 60 V DC

Power Current: ≤ 1 A DC

ENVIRONMENTAL

Temperature Range: -40°C TO +105°C

MACHENICAL

Mating Cycles: ≥ 25

Engagement force: ≤ 45 N

Disengagement force: ≥ 5 N

Retention Force Latch: ≥ 110 N

Coding Efficiency: ≥ 150 N

Part no. PZANHFAFC0004X

CODING HOUSING COLOR:

A Code=Black

B Code=White

C Code=Blue

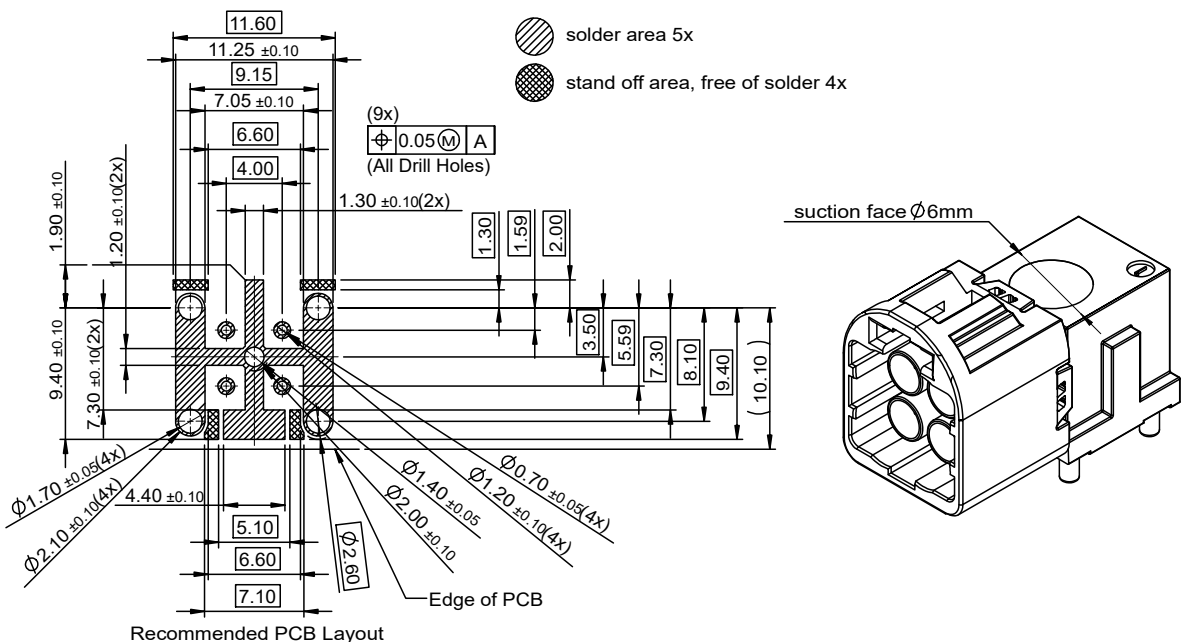
D Code=Claret Violet

E Code=Green

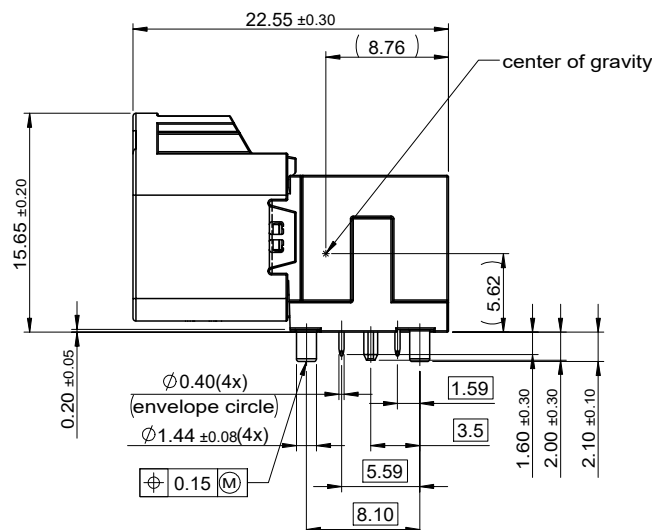
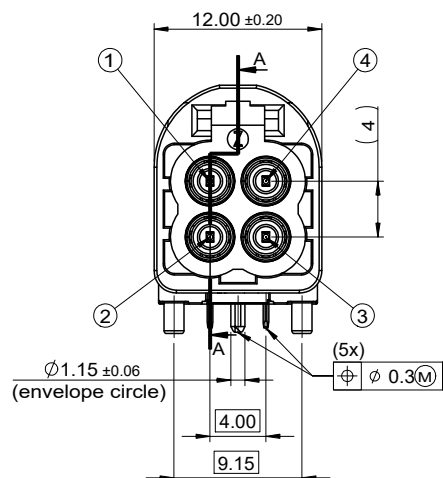
F Code=Brown

G Code=Platinum Grey

Z Code=Waterblue



Recommended PCB Layout

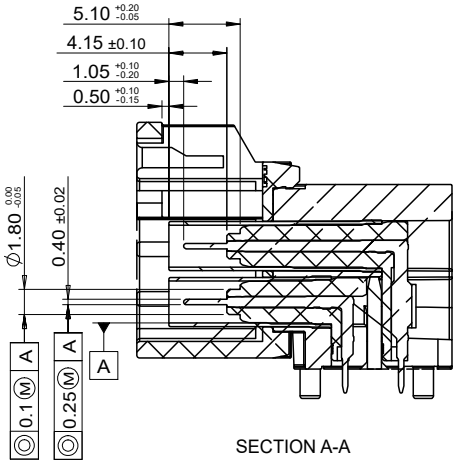
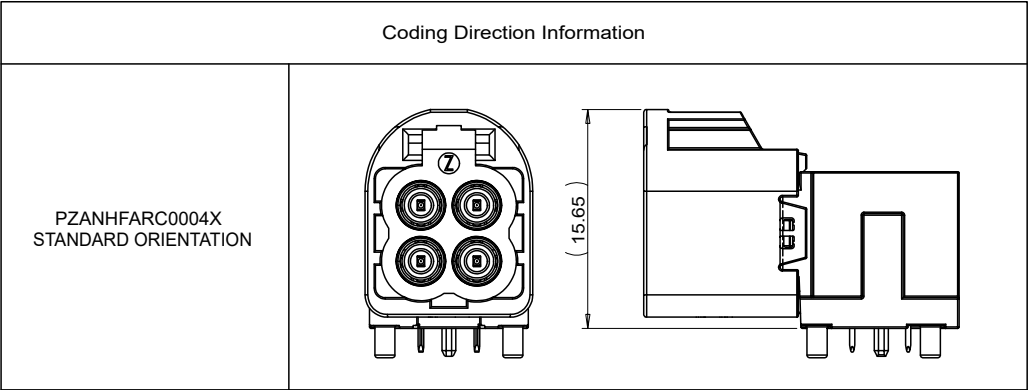


RoHS COMPLIANT	Unit:mm(inch)	PROJECTION	JPC connectivity	
	GENERAL TOLERANCES: (UNLESS SPECIFIED)	D.R. 07/29/2022 Ronnie	TITLE	PD./FILE NO.
	0 = ±1 (0.039)	CH.K 07/29/2022 Albert	Mini FAKRA R/A Male X-code Connector, PCB Mount	
	0.0 = ±5 (0.02)	APV.D 07/29/2022 Richard	SCALE	REV. 01
	0.00 = ±3 (0.012)		SIZE	SHEET 1 OF 2
	0.000 = ±15 (0.006)		PART NO.	
	0° = ±2'		PZANHFAFC0004X	
	0.0° = ±1"			

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													01		INITIAL DESIGN			Ronnie	Richard	07/29/2022
													02							
													03							

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CUSTOMER DRAWING
DRWC-004191



Coding Information								
Coding	A	B	C	D	E	F	G	Z
Color	Black	White	Blue	Claret Violet	Green	Brown	Platinum Grey	Water Blue
RAL	sim.9005	sim.9010	sim.5012	sim.4004	sim.6017	sim.8011	sim.7036	sim.5021

RoHS COMPLIANT	Unit:mm(inch)	PROJECTION	JPC connectivity	
	GENERAL TOLERANCES: (UNLESS SPECIFIED) 0 = ±1 (0.039) 0.0 = ±.5 (0.02) 0.00 = ±.3 (0.012) 0.000 = ±.15 (0.006) 0° = ± 2° 0.0° = ± 1°	D.R. 07/29/2022 Ronnie CH.K 07/29/2022 Albert APV.D 07/29/2022 Richard	TITLE Mini FAKRA R/A Male X-code Connector, PCB Mount	PD./FILE NO.
			SCALE 2:1	SIZE A4
			PART NO. PZANHFAIRC0004X	REV. 01 SHEET 2 OF 2