

GENERAL TOLERANCE

DIM.RANGE	0.5 - 3	>3-6	>6-30	>30-120	>120-400
TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5

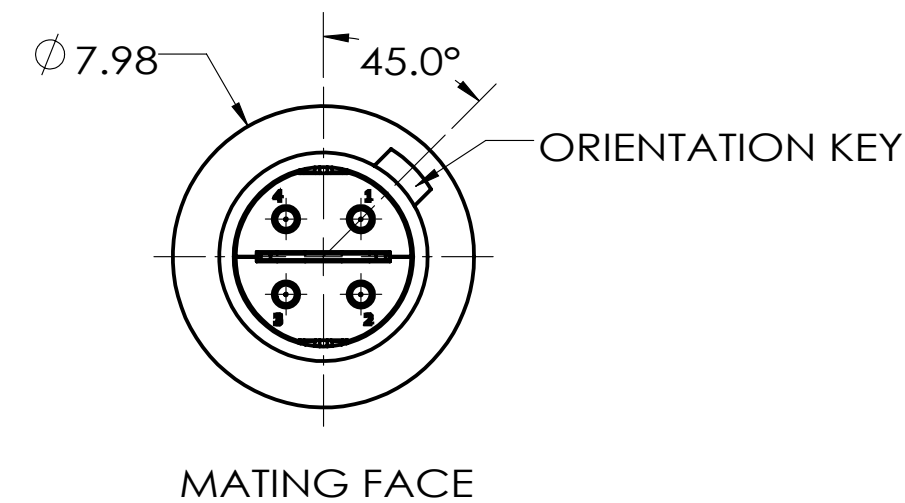
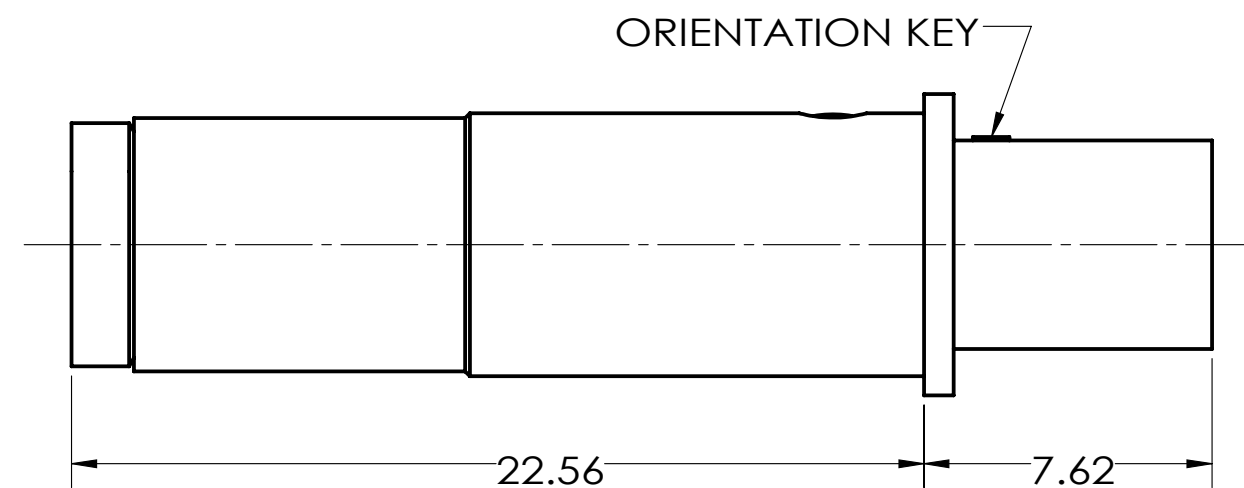
(PA2)

CUSTOMER DRAWING

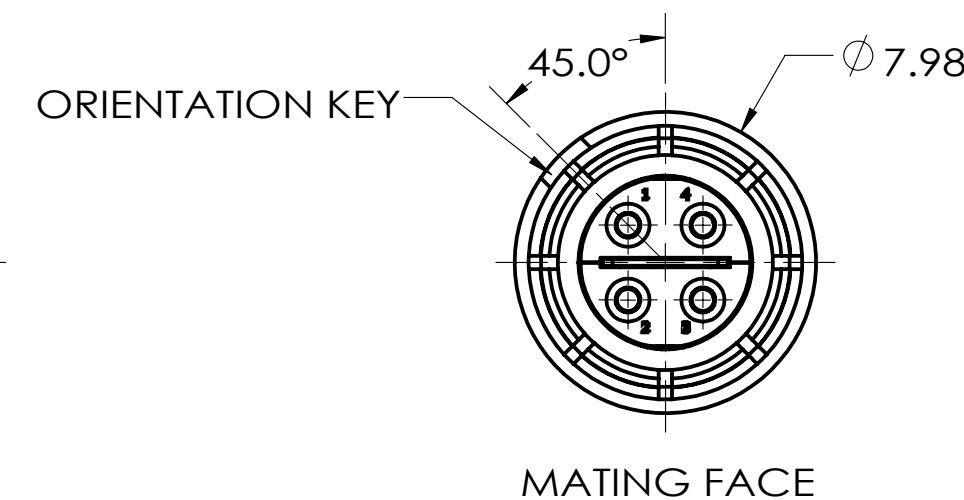
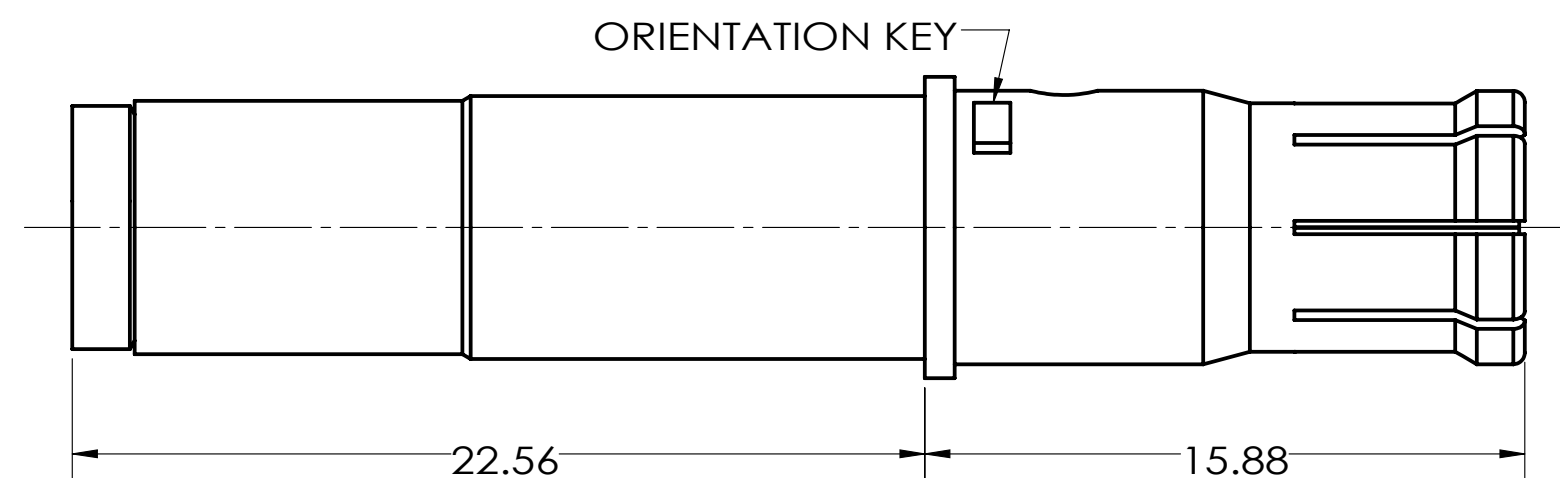
REVISION

ZONE	REV.	DESCRIPTION	DATE
	PA1	INITIAL RELEASE	2020/8/19
D4	PA2	ADD CODED NUMBER	2021/2/8

CODED NUMBER	P/N	CONTACT TYPE	IMPEDANCE (DIFFERENTIAL PAIRS)	WIRE SIZE (INNER CONTACTS)	CABLE O.D.	ELECTRICAL PROTOCOL†† CABLE	TERMINATION INSTRUCTION SHEET
ALQC-AB8-PB	C10-765442-840	PIN	100Ω	24AWG	.170 - .206 INCH	10GBASE-T ETHERNET	N/A
ALQC-AB8-SB	C10-765443-840	SOCKET					
ALQC-AB8-PA	C10-765444-840	PIN					
ALQC-AB8-SA	C10-765445-840	SOCKET					



SPLIT-PAIR QUADRAX PIN CONTACT



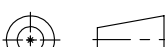
SPLIT-PAIR QUADRAx SOCKET CONTACT

SPECIFICATIONS

SPECIFICATIONS	
BANDWIDTH	UP TO 3.25 GHz PER PAIR
DATA RATE	UP TO 6.5 Gbps PER PAIR
DIELECTRIC WITHSTANDING VOLTAGE (AT SEA LEVEL)	1000 VAC(RMS), BETWEEN INNER CONTACTS IN A DIFFERENTIAL PAIR; 500 VAC(RMS), BETWEEN INNER AND OUTER CONTACTS.

3. ALL CONTACTS CAN BE PLATED WITH GOLD PLATING.
2. DIFFERENTIAL PAIRS ARE 1 AND 4, 2 AND 3.
1. THE REFERENCED PRODUCT SHALL BE COMPLIANT TO RoHS DIRECTIVE.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM THE AMPHENOL CORP.

UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	AMPHENOL INDUSTRIAL OPERATIONS				
LINEAR DIMENSIONS ARE IN: MILLIMETERS TOLERANCES: ANGLES= ±2° DEFAULT LINEAR TOLERANCES SEE TABLE DIM. & TOL. PER ASME Y14.5M-1994; DRM PER MIL-DTL-31000; OTHER AMPHENOL STANDARDS: 9-3800 LEGENDS:  =FLAG NOTE CALL OUT REFERENCE		PREPARED BY:	JAVEN CHENG	2020/8/19	Amphenol Technology(Zhuhai)Co.,Ltd No.63, Xinghan Road, Sanzao Town, Jinwan, Zhuhai, PRC				
		ENGINEER IN CHARGE:	JAVEN CHENG		ELECTRICAL CONNECTOR				
		DESIGN MANAGER:	RAN XIAO						
		PRODUCT GROUP:	C&3						
		AIPG DIVISION:		CONTACTS, QUADRAX, SPLIT-PAIR, SIZE 8					
		MATERIAL SPEC		PROCESS SPEC		TYPE AMPHE-LITE			
THIRD ANGLE PROJECTION		N/A		N/A		SIZE	CAGE CODE	DOCUMENT NUMBER	REV
						C	77820	C10-765442/445	PA2
						SCALE: 5:1		REF: N/A	SHEET 1 OF 1

