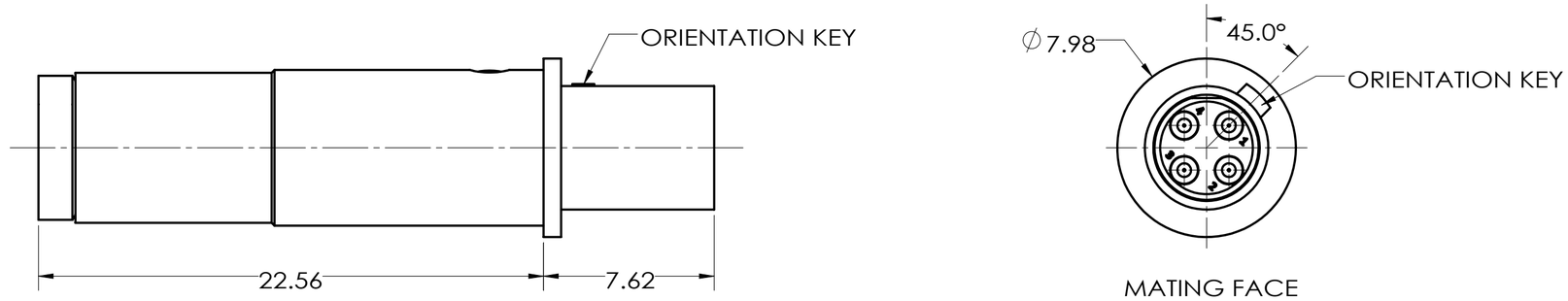
CUSTOMER DRAWING

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

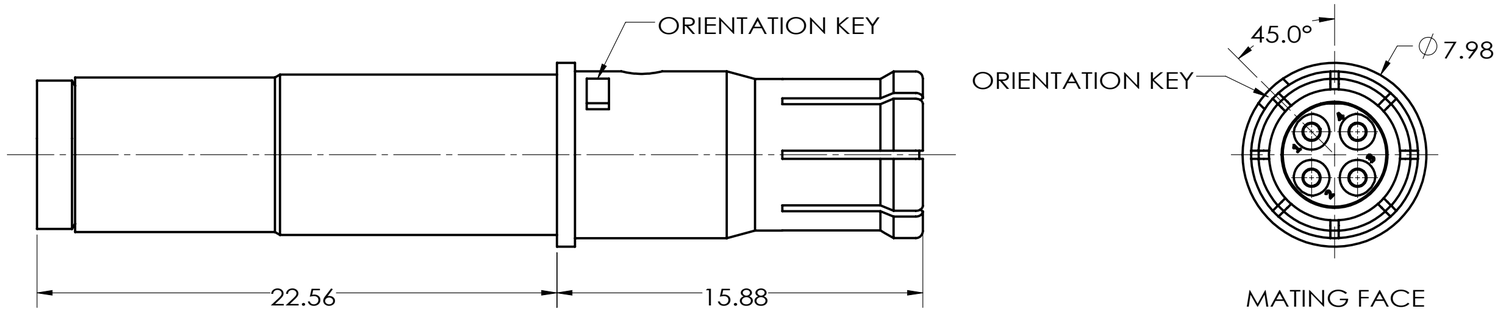
REVISION			
ZONE	REV.	DESCRIPTION	DATE
	PA1	INITIAL RELEASE	2020/8/19
D4	PA2	ADD CODED NUMBER	2021/2/8

PA2

CODED NUMBER	P/N	CONTACT TYPE	IMPEDANCE (DIFFERENTIAL PAIRS)	WIRE SIZE (INNER CONTACTS)	CABLE O.D.	ELECTRICAL PROTOCOL†† CABLE	TERMINATION INSTRUCTION SHEET
ALQC-AA8-PB	C10-763512-840	PIN	100Ω	24AWG	.170 - .206 INCH	1000 BASE-T GIGABIT ETHERNET	(L-2119-D)
ALQC-AA8-SB	C10-763513-840	SOCKET					
ALQC-AA8-PA	C10-763514-840	PIN			.124 - .165 INCH		
ALQC-AA8-SA	C10-763515-840	SOCKET					

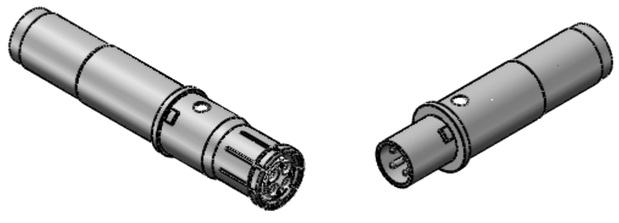


TYPICAL QUADRAX PIN CONTACT



TYPICAL QUADRAX SOCKET CONTACT

SPECIFICATIONS	
BANDWIDTH	UP TO 1.25 GHz PER PAIR
DATA RATE	UP TO 2.5 Gbps PER PAIR
DIELECTRIC WITHSTANDING VOLTAGE (AT SEA LEVEL)	1000 VAC(RMS), BETWEEN ALL INNER CONTACTS; 500 VAC(RMS), BETWEEN INNER AND OUTER CONTACTS.



NOTES:

3. ALL CONTACTS CAN BE PLATED WITH GOLD PLATING.
2. QUADRAX DIFFERENTIAL PAIRS ARE 1 AND 3, 2 AND 4.
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
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

THIRD ANGLE PROJECTION

APPROVALS		DATE
PREPARED BY:	JAVEN CHENG	2020/8/19
ENGINEER IN CHARGE:	JAVEN CHENG	
DESIGN MANAGER:	RAN XIAO	
PRODUCT GROUP:	C&3	
AIPG DIVISION:		
MATERIAL SPEC	PROCESS SPEC	
N/A	N/A	

AMPHENOL INDUSTRIAL OPERATIONS
Amphenol Technology(Zhuhai)Co.,Ltd
No.63, Xinghan Road, Sanzao Town, Jinwan, Zhuhai, PRC

ELECTRICAL CONNECTOR
CONTACTS, QUADRAX, TYPICAL, SIZE 8
TYPE AMPHE-LITE

SIZE	CAGE CODE	DOCUMENT NUMBER	REV
C	77820	C10-763512/515	PA2

SCALE: 5:1 REF: N/A SHEET 1 OF 1