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DOCUMENT NO.
C10-765442/445

SHEET 1 OF 1

REV.
PA1

3

CUSTOMER DRAWING

2

REVISION

ZONE	REV.	DESCRIPTION	DATE
	PA1	INITIAL RELEASE	2020/8/19

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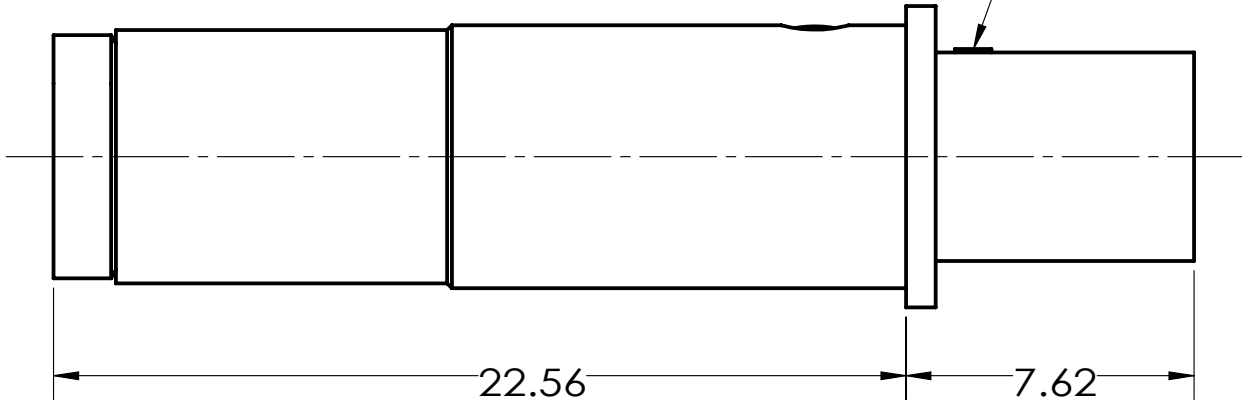
REV.
PA1

GENERAL TOLERANCE

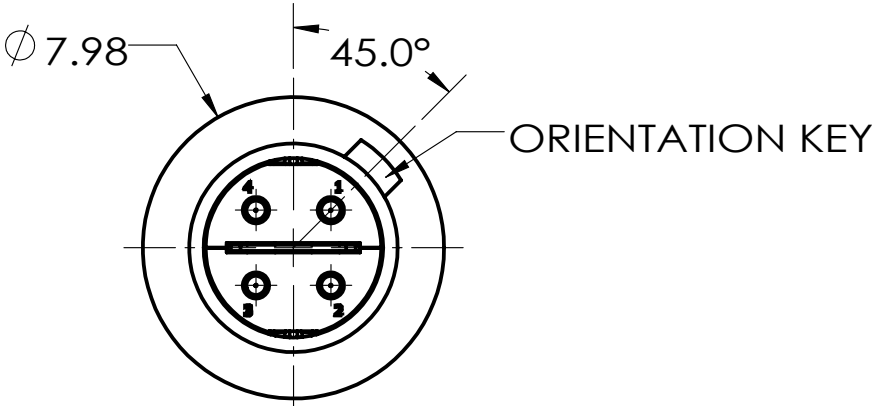
DIM.RANGE	0.5 - 3	>3-6	>6-30	>30-120	>120-400
TOLERANCE	±0.1	±0.1	±0.2	±0.3	±0.5

P/N	CONTACT TYPE	IMPEDANCE (DIFFERENTIAL PAIRS)	WIRE SIZE (INNER CONTACTS)	CABLE O.D.	ELECTRICAL PROTOCOL†† CABLE	TERMINATION INSTRUCTION SHEET
C10-765442-840	PIN	100Ω	24AWG	.170 - .206 INCH	10GBASE-T ETHERNET	N/A
C10-765443-840	SOCKET					
C10-765444-840	PIN					
C10-765445-840	SOCKET			.124 - .165 INCH		

ORIENTATION KEY



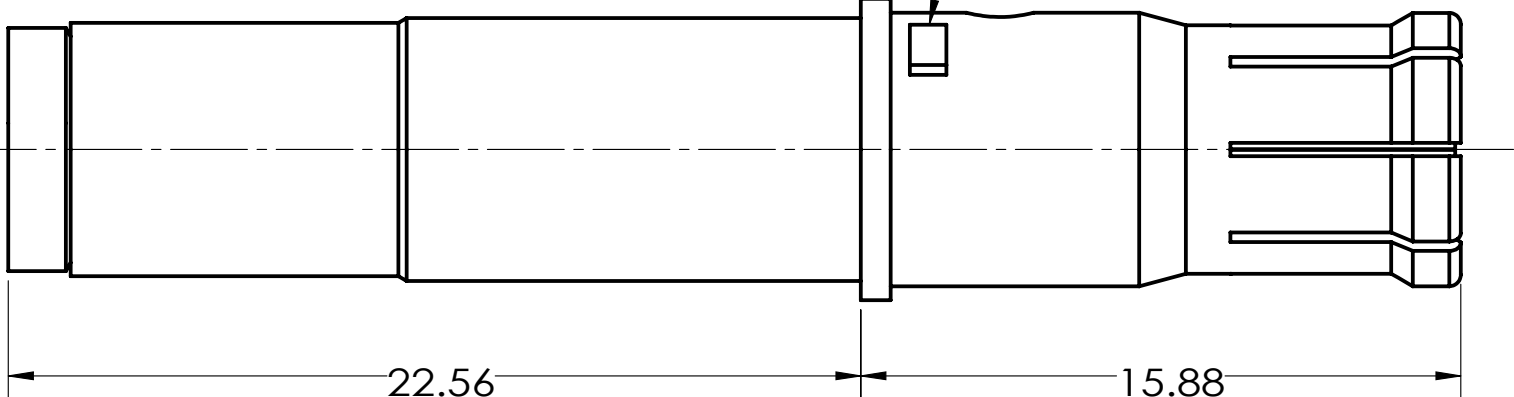
ORIENTATION KEY



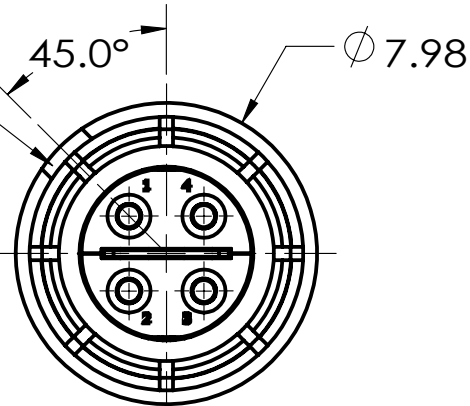
MATING FACE

SPLIT-PAIR QUADRAX PIN CONTACT

ORIENTATION KEY



ORIENTATION KEY



MATING FACE

SPLIT-PAIR QUADRAX SOCKET CONTACT

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.

NOTES:

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

PREPARED BY:	JAVEN CHENG
ENGINEER IN CHARGE:	JAVEN CHENG
DESIGN MANAGER:	RAN XIAO
PRODUCT GROUP:	C&3
AIPG DIVISION:	

MATERIAL SPEC

PROCESS SPEC

N/A

N/A

DATE

2020/8/19

AMPHENOL INDUSTRIAL OPERATIONS

Amphenol Technology(Zhuhai)Co.,Ltd
No.63, Xingnan Road, Sanzao Town, Jinwan, Zhuhai, PRC

ELECTRICAL CONNECTOR
CONTACTS, QUADRAX, SPLIT-PAIR, SIZE 8
TYPE AMPHE-LITE

SIZE	CAGE CODE	DOCUMENT NUMBER	REV
C	77820	C10-765442/445	PA1

SCALE: 5:1

REF: N/A

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