



NOTES
GENERALLY TO THE REQUIREMENTS OF MIL-DTL-38999
MATES WITH AMPHENOL USBFTV AND USB3FTV

MATERIALS
USB 3.0 A INSERT
CONTACT AREA 0.76µm Au OVER 1.27-2.54 µm Ni
SHIELDING - TIN PLATED BRASS
BODY - LCP, UL94V-0

PCB - FR4, UL94V-0
SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - RTV3140 UL94V-0

PERFORMANCE
CURRENT RATING - PINS 1 AND 4 - 1.8 AMP MAX
- OTHER PINS - 0.25A MAX
DATA RATE - UP TO 5Gbit/s FOR SUPERSPEED USB
VOLTAGE RATING 30V AC
TEMPERATURE -20°C TO +85°C
5000 MATING CYCLES MAX (USB 3.0 CONNECTOR ONLY)

SHELL - MATING CYCLES 500 MAX
SEALED TO IP68 WHEN MATED

PC4B0100-15NX-1-C

SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (X = 0°, Y = 90°, Z = 270°)
MATERIAL AND PLATING (SEE TABLE)

CODE	MATERIAL / FINISH
1-C	ALUMINIUM / ELECTROLESS NICKEL
1-B	ALUMINIUM / CADMIUM OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZB	ALUMINIUM / ZINC COBALT OLIVE DRAB OVER ELECTROLESS NICKEL
1-ZK	ALUMINIUM / ZINC COBALT BLACK OVER ELECTROLESS NICKEL
1-ZN	ALUMINIUM / ZINC NICKEL BLACK PASSIVATE OVER ELECTROLESS NICKEL
4-J	STAINLESS STEEL / PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE / SHOT BLAST

CUSTOMER APPROVAL

COMPANY	NAME	SIGNATURE	DATE

ORDERS CANNOT BE PLACED AGAINST ALPHA ISSUED DRAWINGS.
ON RECEIPT OF CUSTOMER APPROVAL, THE DRAWING STATUS WILL BE RAISED TO ISSUE 1.

LIST NOT EXHAUSTIVE, FOR COMPREHENSIVE LIST AND SPECS, SEE WEBSITE

DRAWN	R.S.	DATE	3RD ANGLE PROJECTION NOT TO SCALE
SALES APPR	J.C.	28/05/2015	
DESIGN APPR	M.PAUL		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES
PROD APPR			GENERAL TOL
QUAL APPR			LINEAR +/-0.25MM
ISSUE	REV.	DCR	ANGULAR +/- 1°
B			
NCAGE CODE U5792		WEIGHT	

PART NUMBER:

TITLE:

USB 3.0 A FEEDTHROUGH RECEPTACLE

ASSY USED ON: USB 3.0 D38999/20

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POLAMCO LTD, WESTON LOCK,
LOWER BRISTOL ROAD
BATH BA2 1EP

SHT
1

DRAWING NO:
C6121

