



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

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 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 28/05/2015 SALES APPR J.C. DATE 28/05/2015 DESIGN APPR M.PAUL PROD APPR QUAL APPR ISSUE REV. DCR B	3RD ANGLE PROJECTION NOT TO SCALE UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0.25MM ANGULAR +/- 1° MATERIAL SEE PART NUMBER BREAKDOWN FINISH SEE PART NUMBER BREAKDOWN	PART NUMBER: TITLE: USB 3.0 A FEEDTHROUGH RECEPTACLE ASSY USED ON: USB 3.0 D38999/20	 Polamco
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