



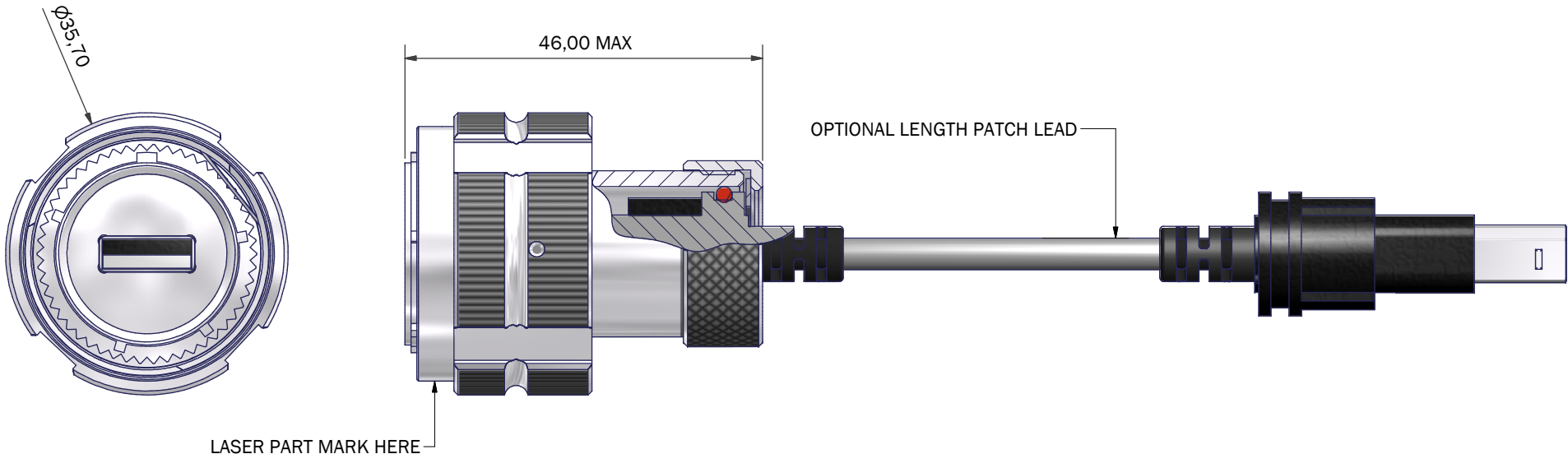
DRAWN		R.S.		DATE 05/09/2012		 3RD ANGLE PROJECTION NOT TO SCALE	 POLAMCO LTD www.polamco.com	WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP		THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY	
SALES APPR		P.M.		05/09/2012				ASSY USED ON: D38999/26 USB A			
DESIGN APPR								TITLE:			
PROD APPR								USB A CABLED PLUG ASSEMBLY			
QUAL APPR						MATERIAL SEE PART NUMBER BREAKDOWN FINISH SEE PART NUMBER BREAKDOWN	PART NUMBER:		DRAWING NO: C1906 SHT 1		
ISSUE 6	REV 1	DCR 4952					PC4D0021-15**-*-L****(-*)				
NCAGE CODE U5792		WEIGHT									



3RD ANGLE PROJECTION



REMOVE ALL SHARP EDGES AND BURRS



PC4D0011-17N-1-C-L2000

SERIES
SHELL SIZE
ALTERNATE KEYING
MATERIAL SEE NOTES FOR OPTIONS
PLATING
PATCH LEAD LENGTH IN MM
OTHER LENGTHS AVAILABLE ON REQUEST

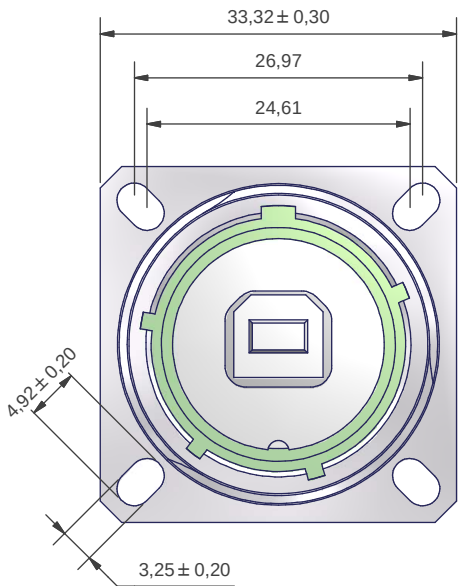
NOTES
GENERALLY TO THE REQUIREMENTS OF MIL-DTL-38999
FINISH
SEE MATERIAL AND PLATING OPTIONS SHEET

PERFORMANCE
CURRENT RATING 1 AMP MAX PER CONTACT
VOLTAGE RATING 30V AC MAX
TEMPERATURE -40°C TO +105°C

ISSUE	REV	DCR NO.	DATE	APPROVED	MATERIAL	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES TOLERANCE ON DIMENSIONS +/-0.1MM TOLERANCE ON ANGLES +/- 1 DEGREE		DO NOT SCALE THIS DRAWING THIS DRAWING IS COPYRIGHT, AND THE PROPERTY OF POLAMCO LTD. IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.	POLAMCO LTD		WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP	PART NO
6	1	4154	17/11/2014	JS					TITLE			PC4D0011-17*-L****
									USB A PLUG			ASSY USED ON D38999/26 USB A
												DRAWING NO C1303
					NCAGE CODE: U5792	WEIGHT						
					DRAWN	M.PAUL						



3RD ANGLE PROJECTION



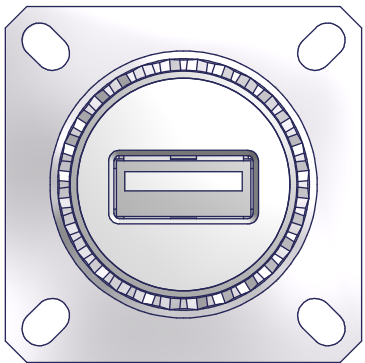
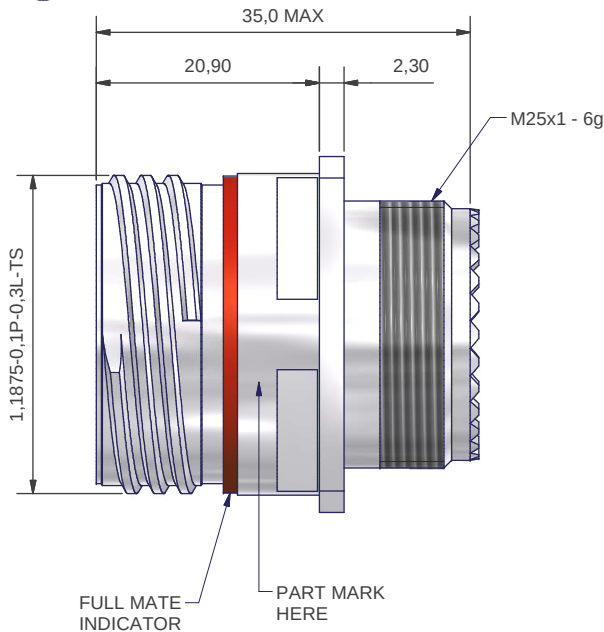
NOTES
GENERALLY TO THE
REQUIREMENTS OF
MIL-DTL-38999
FINISH
SEE TABLE
MATERIALS
SHELL - SEE TABLE
USB B TO A INSERT
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SHELL SEAL - FLUORO SILICONE
O RING SILICONE
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING 1 AMP MAX PER CONTACT
VOLTAGE RATING 30V AC
TEMPERATURE -25°C TO +85°C

CODE	MATERIAL / PLATING
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
4-J	STAINLESS STEEL / PASSIVATE
2-Z	NICKEL ALUMINIUM BRONZE / SHOT BLAST



REMOVE ALL SHARP EDGES AND BURRS

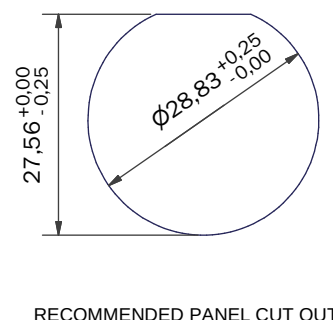
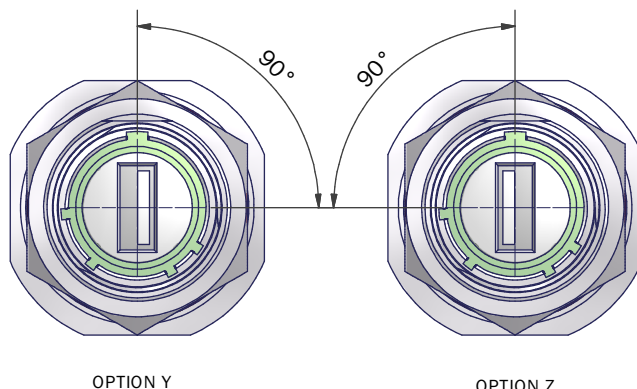
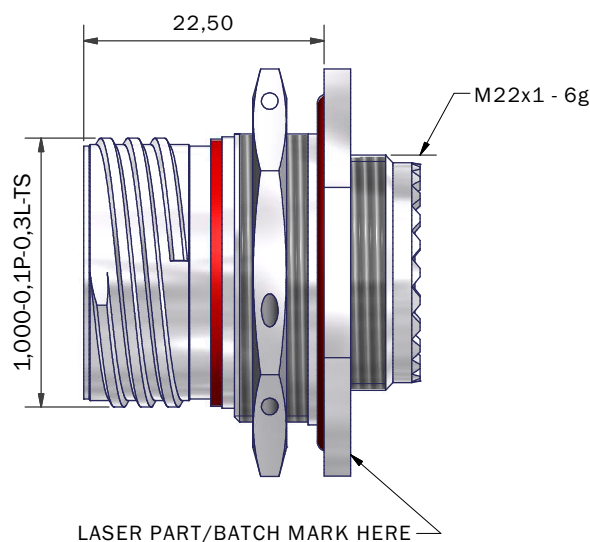
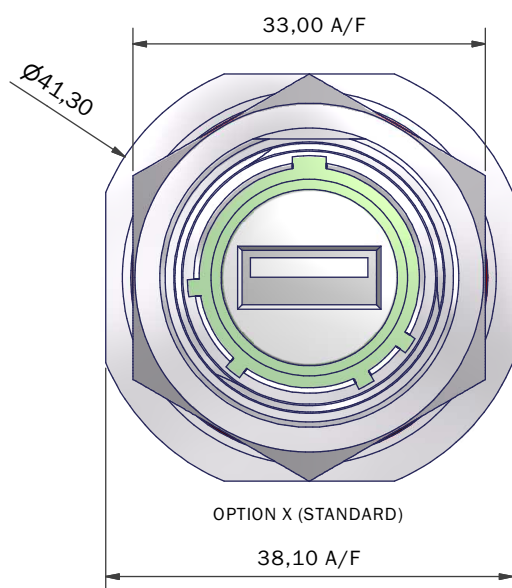


EXAMPLE PART NUMBER: PC4B0055-17N-1-C	
PC4B0055 =	POLAMCO SERIES
17 =	SHELL SIZE
N =	KEY ARRANGEMENT (N, A, B, C, D, E)
1 =	MATERIAL (SEE TABLE)
C =	PLATING (SEE TABLE)

CUSTOMER APPROVAL			
COMPANY	NAME	SIGNATURE	DATE

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

ISSUE	DCR NO.	DATE	APPROVED	MATERIAL	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES TOLERANCE ON DIMENSIONS +/-0.1MM TOLERANCE ON ANGLES +/- 1 DEGREE	DO NOT SCALE THIS DRAWING	POLAMCO LTD	WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP	PART NO
B		19/12/2011	MP	SEE ABOVE		THIS DRAWING IS COPYRIGHT, AND THE PROPERTY OF POLAMCO LTD. IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.	TITLE USB A - B FEEDTHROUGH RECEPTACLE ASSEMBLY		PC4B0055-17N-*.*
									ASSY USED ON
					WEIGHT				DRAWING NO
					DRAWN	RS			C3459



NOTES
 GENERALLY TO THE REQUIREMENTS OF MIL-DTL-38999
 MATES WITH AMPHENOL USBFTV
FINISH
 SEE MATERIAL AND PLATING OPTIONS SHEET
MATERIALS
 USB A INSERT
 CONTACTS 30µ Au/Ni
 SHIELDING - NICKEL PLATED BRASS
 BODY - PA, UL94V-0
 PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
 INSULATOR - PPS GL40 UL94
 POTTING - RTV3140 UL94V-0
PERFORMANCE
 CURRENT RATING 1 AMP MAX PER CONTACT
 VOLTAGE RATING 30V AC
 TEMPERATURE -40°C TO +100°C

PC4F0016-15NX-1-ZB

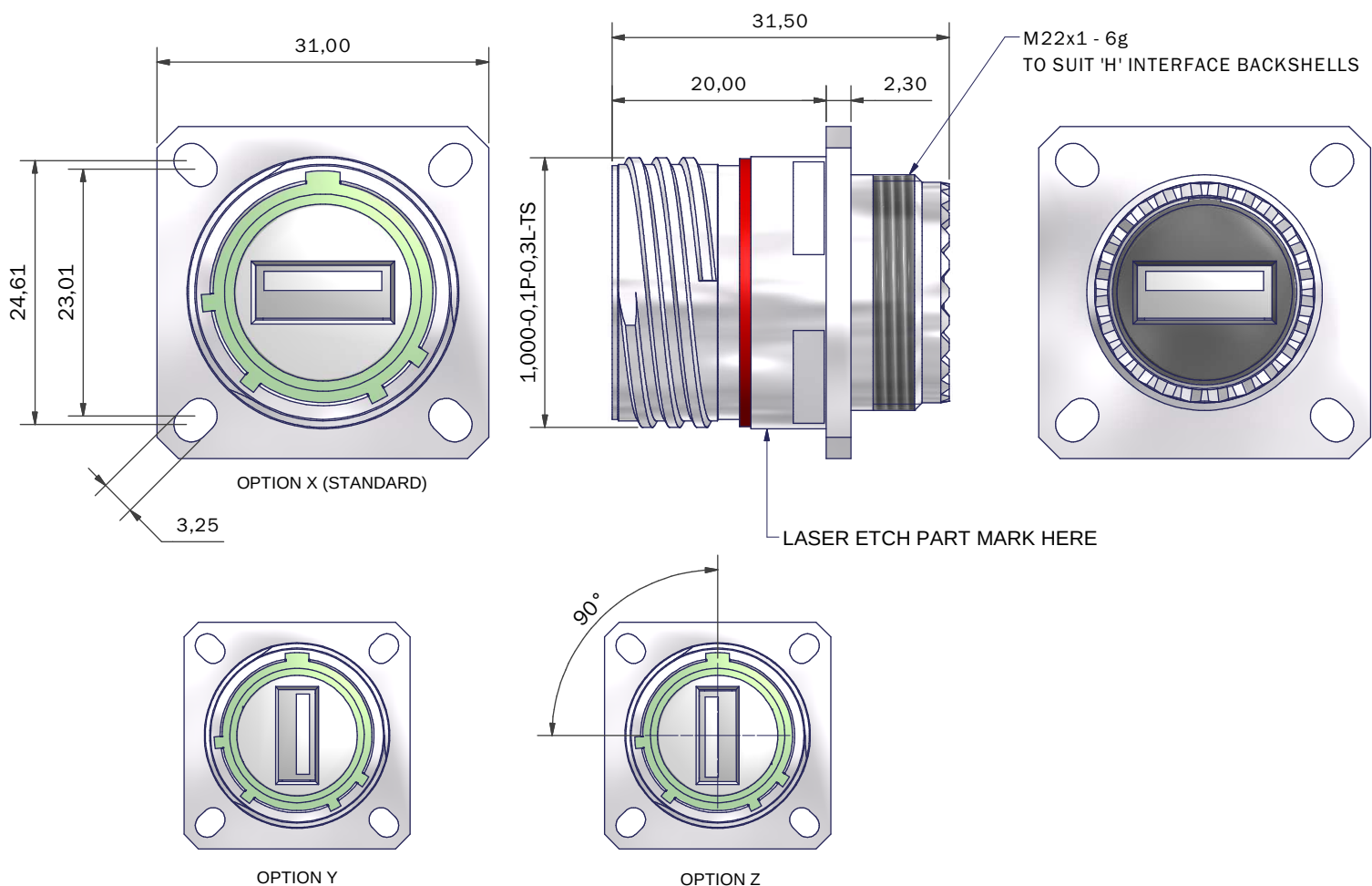
SERIES
 SHELL SIZE
 KEY ARRANGEMENT (N, A, B, C, D, E)
 INSERT ROTATION (X = 0°, Y = 90°, Z = 270°)
 MATERIAL AND PLATING (SEE TABLE)

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

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

DRAWN	M. PAUL	DATE	05/08/2010	3RD ANGLE PROJECTION NOT TO SCALE	PART NUMBER: PC4F0016-15xx-x-x	TITLE: USB A FEEDTHROUGH JAM NUT RECEPTACLE	ASSY USED ON: D38999/24 USB A	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.	POLAMCO LTD, WESTON LOCK, LOWER BRISTOL ROAD BATH BA2 1EP	SHT 1	DRAWING NO: C1908
SALES APPR	MP	05/08/2010									
DESIGN APPR											
PROD APPR											
QUAL APPR				UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°							
ISSUE	REV.	DCR		MATERIAL SEE PART NUMBER BREAKDOWN							
5	1	5518		FINISH SEE PART NUMBER BREAKDOWN							
NCAGE CODE U5792			WEIGHT								





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

FINISH
SEE MATERIAL AND PLATING OPTIONS SHEET

MATERIALS
USB A INSERT
CONTACTS 30 μ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING 1 AMP MAX PER CONTACT
VOLTAGE RATING 30V AC
TEMPERATURE -40°C TO +100°C

PC4B0026-15NX-1-C

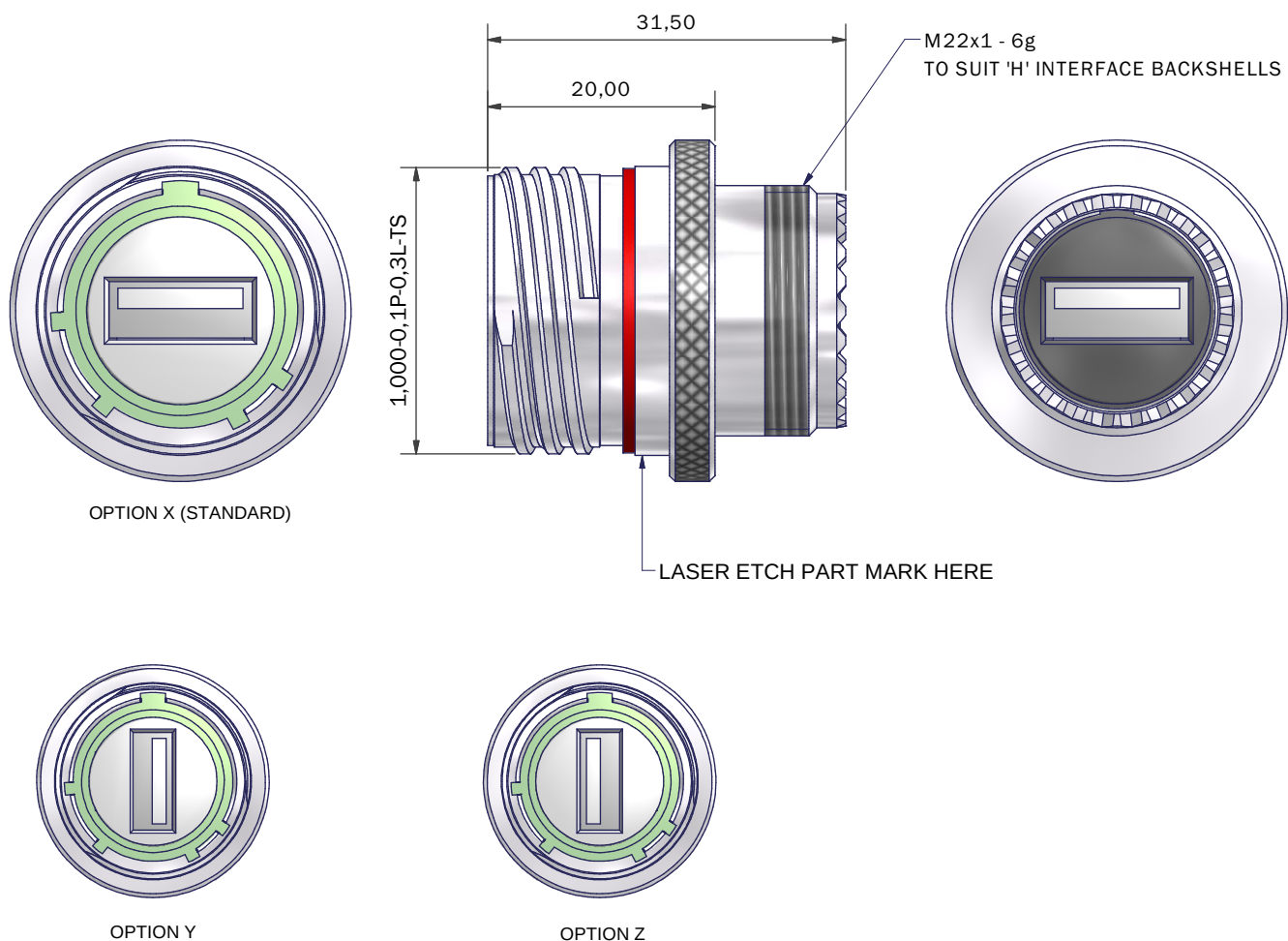
SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (X = 0°, Y = 90°, Z = 270°)
MATERIAL AND PLATING (SEE TABLE)

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

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

DRAWN	R.S.	DATE	21/09/2010	3RD ANGLE PROJECTION NOT TO SCALE	PART NUMBER: PC4B0026-15xx-x-x	TITLE: USB A FEEDTHROUGH RECEPTACLE	ASSY USED ON: D38999/20 USB A	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.	POLAMCO LTD, WESTON LOCK, LOWER BRISTOL ROAD BATH BA2 1EP	SHT 1	DRAWING NO: C1907
SALES APPR	N.W.	21/09/2010									
DESIGN APPR	M.PAUL	25/11/2010	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°								
PROD APPR											
QUAL APPR				MATERIAL SEE PART NUMBER BREAKDOWN							
ISSUE	REV.	DCR	5518	FINISH SEE PART NUMBER BREAKDOWN							
6	1										
NCAGE CODE U5792			WEIGHT								





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

FINISH
SEE TABLE

MATERIALS
USB A INSERT
CONTACTS 30 μ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING 1 AMP MAX PER CONTACT
VOLTAGE RATING 30V AC
TEMPERATURE -40°C TO +100°C

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

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

PC4B0089-15NX-1-C

SERIES _____

SHELL SIZE _____

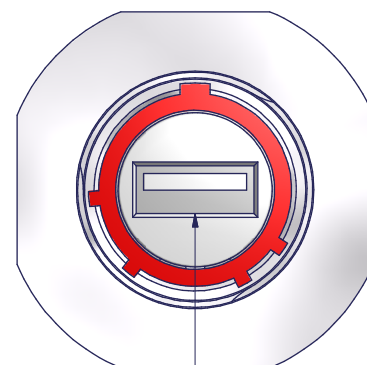
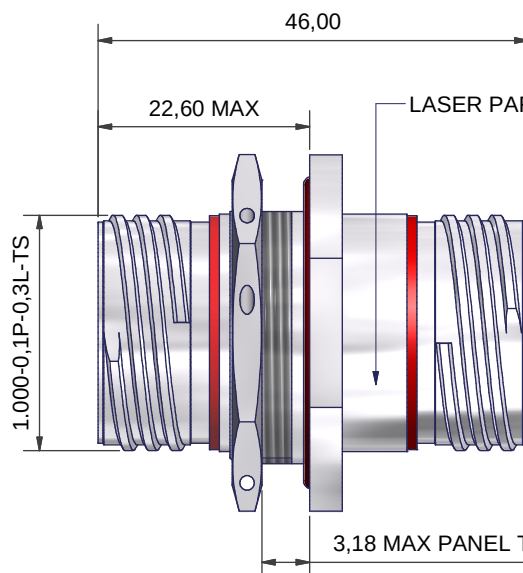
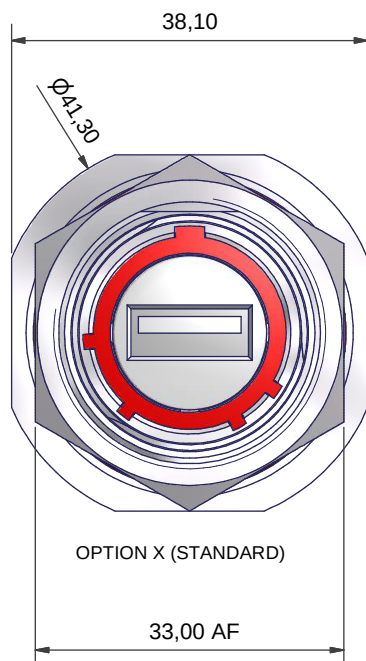
KEY ARRANGEMENT (N, A, B, C, D, E) _____

INSERT ROTATION (X = 0°, Y = 90°, Z = 270°) _____

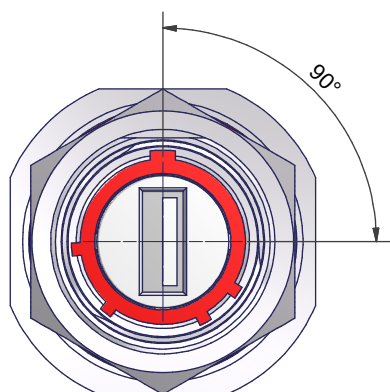
MATERIAL (SEE TABLE) _____

PLATING (SEE TABLE) _____

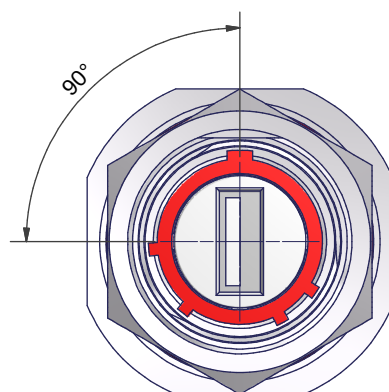
DRAWN	R.S.	DATE 13/01/2014	3RD ANGLE PROJECTION NOT TO SCALE	 POLAMCO LTD www.polamco.com	WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.
SALES APPR	P.M.	13/01/2014	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°			
DESIGN APPR			MATERIAL SEE PART NUMBER BREAKDOWN	ASSY USED ON: D38999/20 USB A		
PROD APPR			FINISH SEE PART NUMBER BREAKDOWN	TITLE: USB A IN LINE FEEDTHROUGH RECEPTACLE		
QUAL APPR				PART NUMBER: PC4B0089-15**-**		
ISSUE A	DCR					DRAWING NO: C4818
NCAGE CODE U5792	WEIGHT					SHT 1



USB A FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL
PRESSURE TESTED TO 1 BAR (UNMATED)
CONTACT SALES OFFICE FOR TEST RESULTS



OPTION Y



OPTION Z

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

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

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

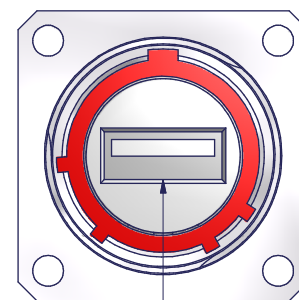
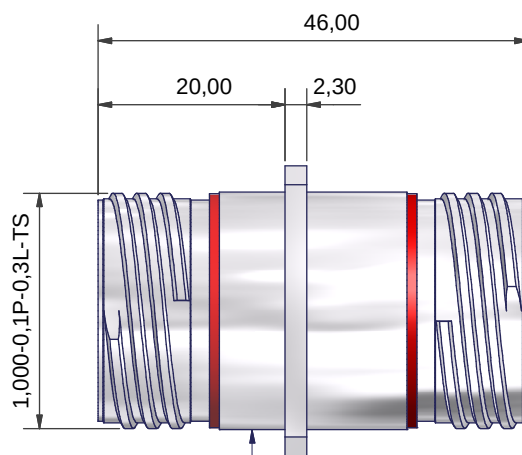
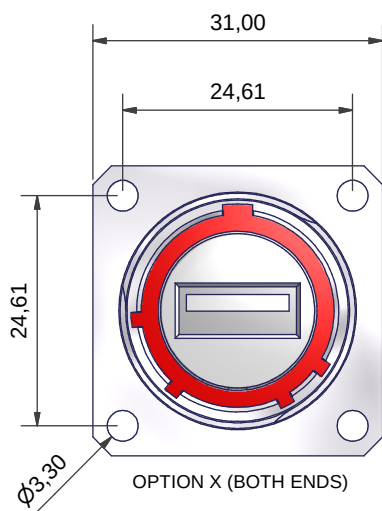
MATERIALS
USB A INSERT
CONTACTS 30µ Au/Ni
SHIELDING - NICKEL PLATED BRASS
BODY - PA, UL94V-0
PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER
INSULATOR - PPS GL40 UL94, COLOUR BLACK
POTTING - QSIL 550 UL94V-0
PERFORMANCE
CURRENT RATING 1 AMP MAX PER CONTACT
VOLTAGE RATING 30V AC
TEMPERATURE -40°C TO +105°C

PC4F0027-15NZ-1-C

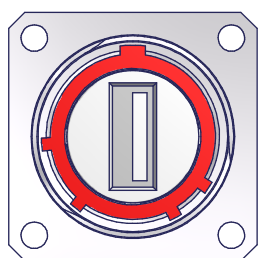
SERIES
SHELL SIZE
KEY ARRANGEMENT (N, A, B, C, D, E)
INSERT ROTATION (X, Y, Z)
MATERIAL (SEE TABLE)
PLATING (SEE TABLE)
PART NUMBER FOR UNGROUNDED OPTION PC4F0027-15NX-1-C-U

DRAWN	R.S.	DATE 22/03/2011	 3RD ANGLE PROJECTION NOT TO SCALE	 POLAMCO LTD www.polamco.com	WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY		
SALES APPR	ADP	22/03/2011						
DESIGN APPR	M.F.	22/03/2011	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°	ASSY USED ON: USB A D38999/24				
PROD APPR				TITLE: USB A SEALED JAM NUT BULKHEAD FEEDTHROUGH.				
QUAL APPR			MATERIAL SEE PART NUMBER BREAKDOWN	PART NUMBER: PC4F0027-15**-**-*		DRAWING NO: C4138		SHT 1
ISSUE 2	DCR 5046							
NCAGE CODE U5792		WEIGHT	FINISH SEE PART NUMBER BREAKDOWN					

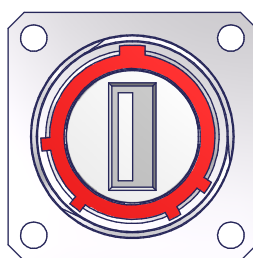


LASER PART/BATCH MARK HERE

USB A FEEDTHROUGH CONNECTOR GROUNDED TO OUTER SHELL



OPTION Y (OPTION Z AT REVERSE END)



OPTION Z (OPTION Y AT REVERSE END)

NOTES

GENERALLY TO THE REQUIREMENTS OF MIL-DTL-38999

MATES WITH AMPHENOL USBFTV

MATERIALS

USB A INSERT

CONTACTS 30µ Au/Ni

SHIELDING - NICKEL PLATED BRASS

BODY - PA, UL94V-0

PCB - FR4, UL94V-0

SEAL - SILICONE ELASTOMER

INSULATOR - PPS GL40 UL94-V0, COLOUR BLACK

PERFORMANCE

CURRENT RATING 1 AMP MAX PER CONTACT

VOLTAGE RATING 30V AC

TEMPERATURE -40°C TO +105°C

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

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

PC4B0064-15NX-1-C

SERIES _____
 SHELL SIZE _____
 KEY ARRANGEMENT (N, A, B, C, D, E) _____
 INSERT ROTATION (X, Y, Z) _____
 MATERIAL (SEE TABLE) _____
 PLATING (SEE TABLE) _____
 PART NUMBER FOR UNGROUNDED OPTION PC4B0064-15NX-1-C-U

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.

DRAWN	R.S.	DATE	18/09/2012	 3RD ANGLE PROJECTION NOT TO SCALE	 POLAMCO LTD www.polamco.com	WESTON LOCK LOWER BRISTOL ROAD BATH BA2 1EP	THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF POLAMCO LTD IT MUST NOT BE COPIED, USED FOR MANUFACTURE OR OTHERWISE DISCLOSED WITHOUT PRIOR WRITTEN CONSENT OF THE COMPANY.
SALES APPR	M.F.	18/09/2012					
DESIGN APPR							
PROD APPR							
QUAL APPR				UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN MILLIMETRES GENERAL TOL LINEAR +/-0,25MM ANGULAR +/- 1°	ASSY USED ON: USB A D38999/20		
ISSUE				MATERIAL	TITLE:	USB A BULKHEAD FEEDTHROUGH ASSEMBLY	
B	DCR			SEE PART NUMBER BREAKDOWN	PART NUMBER:	PC4B0064-15**-**-*	
	5046			FINISH			
NCAGE CODE U5792	WEIGHT			SEE PART NUMBER BREAKDOWN			
							DRAWING NO: C4461
							SHT 1