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REVISION AN - ECN-23-192164

REFERENCE INFORMATION FOR STANDARD MATERIAL AND FINISHES FOR BACKSHELLS & BACKSHELL ACCESSORIES

BACKSHELL MATERIALS

POLAMCO MATERIAL CODE (BT, 60, 70)	RAYCHEM MATERIAL LETTER CODE (TXR)	DESCRIPTION	RoHS Compliant	REACH Compliant
1	A	ALUMINIUM ALLOY TO: 6061-T6 PER SAE AMS-QQ-A-200/8, & 6082-T6 *(MIXED BATCHES OF MATERIAL GRADES ARE POSSIBLE UNTIL SEPTEMBER 2023)*	✓	✓
		ALUMINIUM ALLOY TO: 6064-T9 (6262R) AND 6042-T5, 6064-T6, 6026-T6 *(MIXED BATCHES OF MATERIAL GRADES ARE POSSIBLE UNTIL SEPTEMBER 2023)*	CONTAINS LEAD (Pb) COMPLIANT WITH EXEMPTION 6(b)-II	
2	B	NICKEL ALUMINIUM BRONZE TO: NES 833 OR BS2874 CA104 OR ASTM C 63200 OR ASTM B 150	✓	✓
3	D	BRASS TO: BS2874 CZ121, ASTM B16/16M, ASTM B36, ASTM B141, OR ASTM B212	CONTAINS LEAD (Pb) COMPLIANT WITH EXEMPTION 6(c)	
4	S	STAINLESS STEEL TO: BS970 302S25, 303S31, 316S11, 316S31 OR SAE AMS-QQ-S-763 302, 303, 304, 304L OR 316 (MACHINING) BS1449 304S15 OR AISI 301 OR 304 (SHEET) BS1449 321S31 OR EQUIVALENT ROLLS-ROYCE SPEC. OR MIL-T-8606 347 (TUBE)	✓	✓
46		STAINLESS STEEL: EN 10088-3 1.4401 (alt. des. 316S31); EN 10088-3 1.4404 (alt. des. 316L)	✓	✓
74		POLYETHERIMIDE (ULTEM) FLUID RESISTANCE TO EIA-364-10F-2014	✓	✓

COMMON COMPONENT MATERIALS

COMPONENT	MATERIAL
O-RINGS	SILICONE
	FLUOROSILICONE
	FPM (FLUOROCARBON)
	NITRILE
SCREWS & WASHERS	STAINLESS STEEL *(UNLESS OTHERWISE STATED)*
LANYARD ATTACHMENTS	STAINLESS STEEL *(UNLESS OTHERWISE STATED)*

THE STANDARD MATERIALS STATED ABOVE ARE USED FOR THE MAJORITY OF TE CONNECTIVITY BACKSHELLS & BACKSHELL ACCESSORY PRODUCT LINES. HOWEVER, THEY ARE NOT LIMITED TO THESE ITEMS LISTED, PLEASE CONTACT TE CONNECTIVITY WITH YOUR SPECIFIC APPLICATION FOR RECOMMENDED ALTERNATIVES.

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DIMENSIONS: MILLIMETERS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

GENERAL TOL
LINEAR ±0,25MM
ANGULAR ±1°

DWN: K.K-W 09/02/2018
CHK: R.STYLES 18/06/2020
APVD: M.PAUL 14/02/2018
PRODUCT SPEC: -
APPLICATION SPEC: -
WEIGHT:

MATERIAL: N/A
FINISH: N/A

TE Connectivity

PART NUMBER: SS0076

NAME: MATERIAL AND FINISH DETAILS

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A4	U5792	C-SS0076	

DATA SHEET | SCALE 1:1 | SHEET 1 OF 2 | REV AN

DWG NO SS0076

USED ON

MATERIAL & FINISH OPTIONS

POLAMCO FINISH CODE (BT, 60, 70)	RAYCHEM FINISH CODE (TXR)	MATERIAL	FINISH	SPECIFICATION / DESCRIPTION	COLOUR *(SEE NOTES)*	SALT SPRAY PERFORMANCE	ELECTRICAL CONDUCTIVITY	OPERATING TEMP. RANGE	RoHS Compliant	REACH Compliant
1-B	AB	ALUMINIUM	CADMIUM	QQ-P-416, TYPE II, CLASS 3 OVER ELECTROLESS NICKEL	OLIVE DRAB	500 HRS	CONDUCTIVE	-65 TO +175°C	✘	✘
1-KB	-	ALUMINIUM	CADMIUM	QQ-P-416, TYPE II, CLASS 3, OVER ELECTROLESS NICKEL [QUALIFIED TO 85049]	OLIVE DRAB	1000 HRS	CONDUCTIVE	-65 TO +175°C	✘	✘
1-C	AC	ALUMINIUM	ELECTROLESS NICKEL	AMS-C-26074, CLASS 4, GRADE B	BRIGHT	48 HRS	CONDUCTIVE	-65 TO +200°C	✓	✓
4-C	SC	STAINLESS STEEL								
1-CHP	-	ALUMINIUM	HIGH PHOSPHORUS ELECTROLESS NICKEL	HIGH PHOSPHORUS ELECTROLESS NICKEL (FOR SPACE APPLICATION) - RECTANGULAR BACKSHELLS ONLY	BRIGHT	48 HRS	CONDUCTIVE	-65 TO +200°C	✓	✓
1-D	AG	ALUMINIUM	ANODISE HARD	MIL-A-8625, TYPE III, CLASS 2 (NOT SUITABLE FOR SCREEN TERMINATION)	BLACK	500 HRS	NON-CONDUCTIVE	-65 TO +175°C	✓	✓
1-G	AK	ALUMINIUM	ANODISE, SULPHURIC	MIL-A-8625, TYPE II, CLASS 2 (NOT SUITABLE FOR SCREEN TERMINATION)	BLACK	500 HRS	NON-CONDUCTIVE	-65 TO +175°C	✓	✓
4-J	SJ	STAINLESS STEEL	PASSIVATE	QQ-P-35 OR MI-S-5002	DULL	500 HRS	CONDUCTIVE	-65 TO +200°C	✓	✓
46-J	-	STAINLESS STEEL (316)				1000 HRS				
1-KC	AD	ALUMINIUM	HIGH PHOSPHORUS ELECTROLESS NICKEL	AMS-C-26074 OR AMS2404 [QUALIFIED TO 85049]	BRIGHT	96 HRS	CONDUCTIVE	-65 TO +200°C	✓	✓
1-KZQ	-	ALUMINIUM	ZINC NICKEL PASSIVATE OVER ELECTROLESS NICKEL	DEUTSCH SPECIFICATION: HDS 05-16182 [QUALIFIED TO 85049]	BLACK	1000 HRS	CONDUCTIVE	-65 TO +175°C	✓	✓
1-TN	AX	ALUMINIUM	NICKEL PTFE	AS PER DPS-4-336: PTFE OVER HIGH PHOSPHORUS ELECTROLESS NICKEL OVER SULFAMATE NICKEL.	GREY	500 HRS	-	-	✓	✓
4-TN	SX	STAINLESS STEEL								
2-U	B/	NICKEL ALUMINIUM BRONZE	AS MACHINED	NO PLATING	BRIGHT	NOT TESTED	CONDUCTIVE	-	✓	✓
1-Y	-	ALUMINIUM	CADMIUM	YELLOW CHROMATE OVER CADMIUM QQ-P-416, TYPE II, CLASS 2	YELLOW CAD	NOT TESTED	CONDUCTIVE	-	✘	✘
1-Y7	-	ALUMINIUM	ELECTROPLATED GOLD	MIL-G-45204 TYPE II, GRAD C, CLASS 0 OVER COPPER IN ACCORDANCE WITH MIL-C-14550	GOLD	NOT TESTED	CONDUCTIVE	-	✓	✓
2-Z	BW	NICKEL ALUMINIUM BRONZE	UNPLATED	SHOT BLAST FOR NON-REFLECTIVE FINISH	DULL	1000 HRS	CONDUCTIVE	-65 TO +200°C	✓	✓
1-ZB	AU	ALUMINIUM	ZINC COBALT	OVER ELECTROLESS NICKEL WITH OLIVE DRAB CHROMATE CONVERSION	OLIVE DRAB	500 HRS	CONDUCTIVE	-65 TO +175°C	✓	✓
1-ZK	A6	ALUMINIUM	ZINC COBALT	OVER ELECTROLESS NICKEL WITH BLACK CHROMATE CONVERSION	BLACK	350 HRS	CONDUCTIVE	-65 TO +175°C	✓	✓
1-ZN	AZ	ALUMINIUM	ZINC NICKEL PASSIVATE OVER ELECTROLESS NICKEL	ASTM B 841 CLASS 1	BLACK	500 HRS	CONDUCTIVE	-65 TO +175°C	✓	✓

FOR ALTERNATIVE MATERIAL / FINISH COMBINATIONS, PLEASE CONTACT TE CONNECTIVITY, BACKSHELL ENGINEERING TEAM.

FINISH NOTES: -
THE COLOUR INDICATED ARE FOR APPROXIMATE COLOUR APPEARANCE FOR REFERENCE ONLY, VARIATIONS OF COLOURS ARE A PART OF THE NORMAL PLATING PROCESS, COLOUR VARIATIONS, BATCH TO BATCH, PART TO PART, COMPONENT TO COMPONENT WITHIN A PART, SHALL NOT BE A CAUSE FOR REJECTION.

FOR EXAMPLE ZINC NICKEL PLATING CAN VARY FROM GREENISH BLACK TO BLACK or CADMIUM PLATING CAN VARY FROM TANISHGREEN TO DARK GREEN; ETC.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0,40
1 PLC ±0,20
2 PLC ±0,10
ANGLES ±1°
ALL FILLETS 0,4 MAX

ALL DIAMETERS ⌀0,10

SURFACE FINISH Ra1.6 MAX
REMOVE ALL BURRS AND SHARP EDGES TO 0,1 MAX

DWN K.K-W	09/02/2018	MATERIAL N/A	HEAT TREAT N/A
CHK R.STYLES	18/06/2020	TE Connectivity	
APVD M.PAUL	14/02/2018		
NAME MATERIAL AND FINISH DETAILS			
SCALE 1:1	SIZE A3	PART NO SS0076	SHEET 2 OF 2
REV AN			

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

917696-1 141991-2 2005330-1 2310537-1 3-1393225-0 3430B2F51RTDF 1-962915-1 2-292161-3
1903112-2 1969656-1 2377783-2 MPT100C18RF ROX05SJ18R SBCHE154R7K 2380312-2 1393431-1
1743455-2 CRGCQ2010J3K3 RH73H2A40MKTN SBCHE64R7K 1-794222-0 2834055-1 3631B101LL
CPF0402B37K4E1 TE50BR39J 175977-2 650075-000 936348-1 SMW73R0JT U5254-000005-030PA