

COAXIAL CONNECTOR, SMP, 50 Ohm, Straight PCB plug (male), Surface Mount, Smooth Bore

81_SMP-S50-O-S1/111_N

Properties

- HUBER+SUHNER SMP connectors provide a robust, proven and fully compatible plug-in solution for applications up to 40 GHz.
- High reliability and ease of assembly
- MIL qualified



Product configuration		
Interface type	Gender	Standard
SMP	plug	MIL-STD-348 SMP

Interface and material data		
Piece parts	Material	Plating
Centre contact	Copper Beryllium Alloy	Gold Plating (Nickel underplated)
Outer conductor	Brass	Gold Plating (Nickel underplated)
Body	Brass	Gold Plating (Nickel underplated)
Insulator	PAI (Polyamide-imide)	

Electrical data	
Impedance	50 Ω
Interface frequency	40 GHz

Mechanical data	
Weight	0.25 g
Mating cycles	1000
Board mounting type	surface mount
Height above PCB HA	4.57 mm

Engagement / Disengagement force		
	Engagement	Disengagement
Interface force max	8.9 N	2.22 N

Environmental data	
Operation temperature	-55 °C ... 125 °C

COAXIAL CONNECTOR, SMP, 50 Ohm, Straight PCB plug (male), Surface Mount, Smooth Bore

81_SMP-S50-0-S1/111_N

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
80377947	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table		
Item number	Item description	Packaging type
80377947	81_SMP-S50-0-S1/111_NE	Single

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P1360 / Date of publication: 13.03.2026 / uncontrolled copy