



SMA

**HERMAPHRODITE
CONNECTORS**

syntax
no compromise

HERMAPHRODITE



The SYNTAX® SMA connectors are configured in the 122 pins for multicore cables until 40 pairs and 176 pins for multicore cables until 58 pairs and are fully compatible with the existing fixed pin solder type & crimp type MASS connectors, and use the same inline and panel mount housings.

The metal shells are machined and hard black anodized to protect against damage through physical abuse. The hermaphroditic design minimizes the number of required parts as two connectors allow for complete daisy chain capability.

All connectors include a heavy-duty dust cap. Inline connectors have water tight PG 36 cable gland or (optional) a cable strain relief utilising a basket weave design. The crimp type versions are designed for easy, positive insertion and removal of pins and sockets, using a standard crimp tool and locator insert.

- Hermaphroditic Design
- Crimp or Solder contacts
- All machined aluminium construction
- Water tight IP67 when mated
- Intermateable with Whirlwind Mass connectors
- Hard anodised black finish



CONNECTOR DIMENSIONS												
N° pin	PANEL								INLINE			
	A	B	C	D	G	H	L	M	E	F	N	P
122	63,0	65,6	7,1	101,5	66,0	57,3	45,7	48,5	70,0	145,0	159,0	150,0
176	67,0	69,76	7,0	107,5	69,0	60,0	57,0	55,0	76,2	150,0	163,0	155,0



SOLDER CONTACTS TYPES AND PART N.

Size	Connector	Plating	Part N.	Gender	Part N.	Gender
20	SMA 122/176 pin	Gold	SMAP20GFS	Female	SMAP20GMS	Male
						

CONTACTS RATING

Size	Max Current	Rated Current	Max Voltage Drop	Wire section (mm ²)	Wire section AWG
20	7,5 A	7,5 A	83 mv	0,15±0,3	26±22

CONNECTORS RATING

N° pin	Rated voltage		Dielectric Strength		Min. Flashover	
	Vca	Vcc	Vca	Vca	Vca	Vca
122	180	210	1200	1200	800	800
176	180	210	1200	1200	800	800

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