

QUICK STUDY GUIDE

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	Series	Pin Configuration(s)	Description
	SVK	13, 19, 25, 37, 54, 85, 100 & 150 pins	<i>Panel & inline; IP67 waterproof rated; MIL-C-5015 compliant; gold or silver contacts</i>
	SVS	72 & 101 pins	
	SHD	13, 19, 25, 37, 54, 85, 100 & 150 pins	<i>Roadline: Enhanced, robust, heavy-duty version of the SVK Series</i>
	SV	24 Audio & 6 Video (Coax) Pins	<i>Panel & Inline Audio/Video Hybrid Connectors; gold plated precision contacts</i>
	SMA	122 & 176 pins	<i>Hermaphroditic IP67 panel & inline audio, up to 56 channels; gold plated solder contacts</i>
	SPK	4, 8 & 19 pins	<i>Pro loudspeaker panel & inline; rubber locking ring; CA-COM mateable; silver & gold solder or crimp contacts</i>
	SPK8	8 pin	<i>Adapter; CA-COM 8 compatible; male one end, female other end</i>
	SB	2, 3, 4, 6, 7, 8 & 9 pins	<i>HMI Ballast & Lamp connector; 400W - 200KW; configurable; bayonet lock & coupling roller; silver plated contacts</i>
	SSX	19 & 16 pin UL & Industrial Versions	<i>Lighting connector; Socapex 419 compatible; panel & inline; fast wiring, indestructible; IP67; first make, last break gold or silver plated contacts</i>
	SPX	Single Pole High Amperage Power Connectors	<i>Power 400A - 750A; panel & inline; US, EU, UK & AU color codes; IP67; IP2X; high impact shell; silver plated contacts</i>
	SPZ		
	Cables	Application Specific Cables	<i>Expertly engineered pro audio & video features; power distribution; data</i>
	Drums	Cable Drums (featuring optional IO Side Panels)	
	Glands	Metric & PG types	<i>Glands, standard or spiral flex, metal, strain relief mesh grips, hanger grips</i>
	Tooling	Tooling & Accessories	<i>Contact us for more information</i>

v14.0



SMA

HERMAPHRODITE CONNECTORS

syntax
no compromise

HERMAPHRODITE

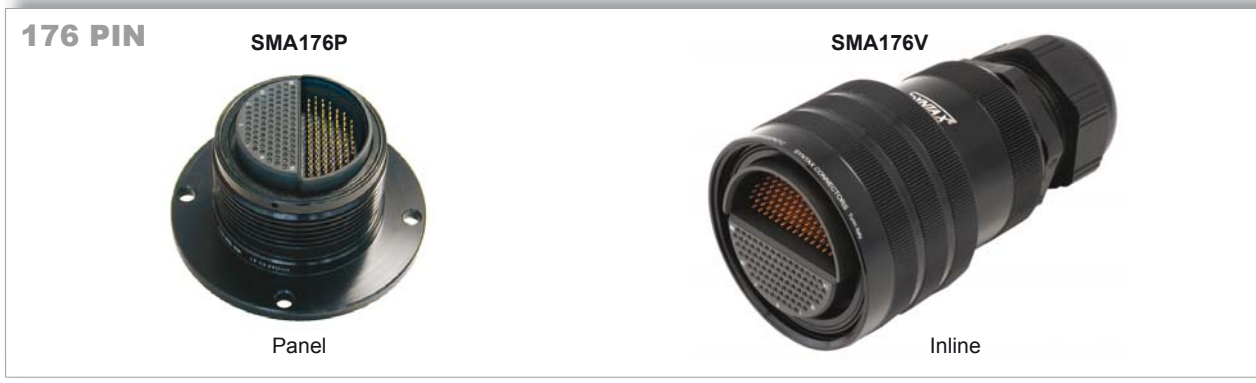
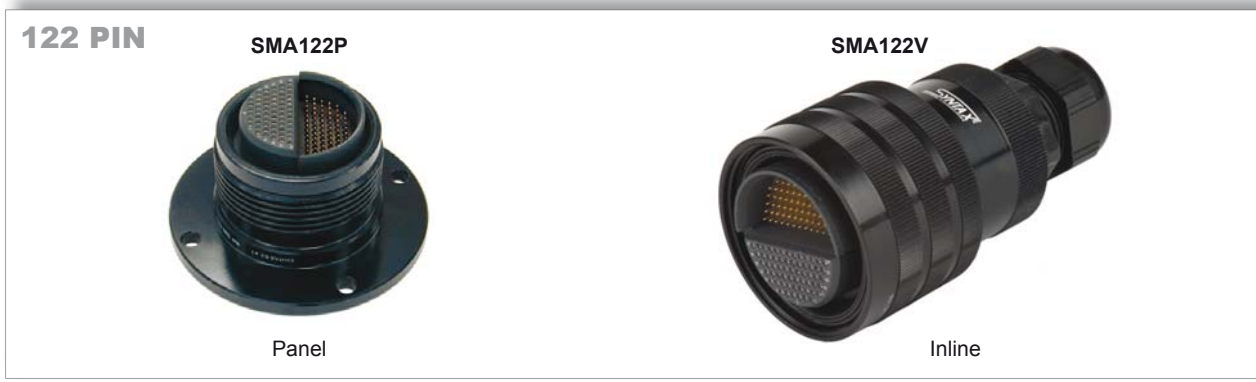


The SYNTAX® SMA connectors are configured in the 122 pins for multicore cables until 40 pairs and 176 pins for multicore cables until 58 pairs and are fully compatible with the existing fixed pin solder type & crimp type MASS connectors, and use the same inline and panel mount housings.

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