

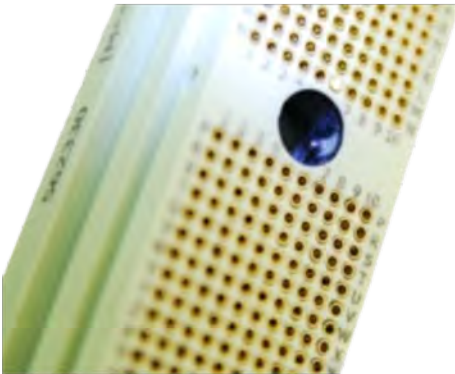


Introducing APEX



Improved Contacts

When defining a new connector we knew that one of the top priorities was to improve the strength of the male contacts.



300% Stronger

We used our extensive experience in high performance contact design to develop a unique 1.0mm contact that is 300% stronger than contacts in other 0.1" pitch connectors, offering unparalleled reliability even in the most vulnerable operating environments.



5 amp Current Rating

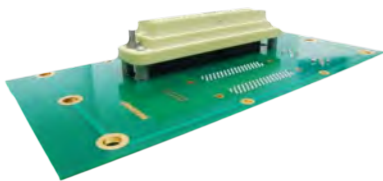
Not only is the contact stronger than comparable systems, it also has a 5 amp current rating and can accommodate a 20awg cable; a significant improvement over the more typical 2 to 3 amps generally available in the market.





Outstanding Cable Management

A recurring theme in our market research has been user frustration with poorly designed back shells that added to build times, had poor cable management features and were vulnerable to damage. The highly durable APEX aluminum back shell allows the wiring to be performed with the cable clamp in position if required. The main cover is easily removed for easy access during build and maintenance; this can be of particular benefit during the debug process since it allows access to the cables and contacts while the APEX connector is in-situ.



Maximum Design Flexibility

All APEX plugs and sockets have the option of using either cable connections or are mounted to a PCB, offering maximum design flexibility. APEX 1mm wiring contacts accept 20awg to 24awg cables sizes. The APEX PCB modules and contacts have been designed to maximize the available space for circuit trace routing. It is possible to mix and match cables and/or APEX plugs and sockets.



Versatile Accessories

Users of multiple APEX connectors have the option of using polarizing posts that offer 36 unique combinations.

APEX Components



APEX
Plugs



APEX
Sockets



APEX
Back shells
& Accessories

Socket Female Contacts



Female
Signal



Female
Coax



Female
Power

Plug Male Contacts



Male
Signal



Male
Coax



Male
Power

APEX Part Numbers

APEX Sockets

P/N	Description
562608	APEX, Socket, 156 Position, Crimp
562609	APEX, Socket, 156 Position, PCB
564202	APEX, Socket, 216 Position, Crimp
564201	APEX, Socket, 216 Position, PCB
562332	APEX, Socket, 260 Position, Crimp
562333	APEX, Socket, 260 Position, PCB
564254	APEX, Socket, 96 Position, Crimp
564252	APEX, Socket, 96 Position, PCB
564230	APEX, Socket, Hybrid 220-20, Crimp
564208	APEX, Socket, Hybrid 80-20, Crimp
564209	APEX, Socket, Hybrid 80-20, PCB

APEX Back shells & Accessories

P/N	Description
562110	APEX, Mounting Panel, 19 Inch, 5x APEX 216/ Hybrid
561164	APEX, Polarizing Post
562616	APEX, Protective Cover, Plug, 156 Position
564204	APEX, Protective Cover, Plug, 216 Position and Hybrid
562618	APEX, Protective Cover, Plug, 260 Position
564259	APEX, Protective Cover, Plug, 96 Position
562615	APEX, Protective Cover, Socket, 156 Position
564203	APEX, Protective Cover, Socket, 216 Position and Hybrid
562617	APEX, Protective Cover, Socket, 260 Position
564258	APEX, Protective Cover, Socket, 96 Position,
PPL313	Backshell Spindle Hole Plug-Black
562899	Grounding Lug Socket Assembly
562894	Grounding Lug Socket Assembly-PCB
562898	Grounding Lug, Plug Assembly
562893	Grounding Lug, Plug Assembly- PCB
5516281	Strain relief bracket, 156, 216, 260, 80-20 APEX & 156, 260 LIF

APEX Plugs

P/N	Description
562606	APEX, Plug, 156 Position, Crimp, No Backshell
562614	APEX, Plug, 156 Position, PCB
564213	APEX, Plug, 216 Position, Crimp, No Backshell
562607	APEX, Plug, 260 Position, Crimp, No Backshell
562233	APEX, Plug, 260 Position, PCB
564255	APEX, Plug, 96 Position, Crimp, No Backshell
564253	APEX, Plug, 96 Position, PCB
564231	APEX, Plug, Hybrid 220-20, Crimp, No Backshell
564217	APEX, Plug, Hybrid 80-20, Crimp, No Backshell

APEX Back shells & Accessories

P/N	Description
562681	APEX, Backshell, 156 Position
562682	APEX, Backshell, 156 Position, Straight
564210	APEX, Backshell, 216 Position and Hybrid
564220	APEX, Backshell, 216 Position and Hybrid, Straight
564229	APEX, Backshell, 220-20/360 Position
562603	APEX, Backshell, 260 Position
562683	APEX, Backshell, 260 Position, Straight
564256	APEX, Backshell, 96 Position
564257	APEX, Backshell, 96 Position, Straight

APEX Socket Female Contact

P/N	Description
562150	Contact, Female 1mm, Crimped, 20-24 AWG
562152	Contact, Female, Signal, PCB, 1mm
561201	Contact, Receiver, Coax Micro DC-2 GHz, RG 178, JOY 05, JOY 06, JOY 018
562023	Contact, Female, Solder, Micro-Power

APEX Socket Male Contact

P/N	Description
563700	Contact, Male, Signal, Crimp, 20-24awg, 1mm
563701	Contact, Signal, Male Post, Plated, 1mm
562201	Contact, ITA, Coax Micro DC-2 GHz, RG 178, JOY 05, JOY 06, JOY 018
562024	Contact, Male, Solder, Micro-Power