



Innovative, custom, and standard solutions for every coaxial challenge



Always Thinking



Ask for San-tron eSeries™ versions of your favorite models when you're looking for plugs and assemblies to go higher in frequency and provide ultimate mechanical reliability. These models feature an extended ferrule designed to protect a common failure point at the solder-wick line. Internally, they offer an EZ-style, solderfree, captivated center contact and a solder-damming positive cable stop to assist assembly personnel in consistently driving the cable into position. The result is flat, weathertight, 50 ohm performance and predictable VSWR.

To learn more visit
Santron.com/eSeries

We're always thinking ahead so we can be there when you need us most

With six decades of experience, San-tron is continually re-imagining every angle of microwave connector design and manufacturing to improve performance while reducing costs. Old standards are being reinvented from the inside out and new innovations are helping you to reach higher frequencies and take on the harshest environments. It's our way of saying that past price/performance models are history.

Innovative thinking across the board

Across the globe, across your design, and across our factory floor we've looked at every way we can serve you better. We have set in motion an action plan that includes the promise to never stop thinking.

San-tron is a USA-based family business with our design center, corporate offices, and lead manufacturing operation in Ipswich, Massachusetts, and a wholly-owned support facility in Suzhou, China. We continually build upon our product line and our legacy of supporting some of the biggest defense and commercial contractors in the world with coaxial solutions to their mission critical signal transmission challenges. In addition to rethinking every angle of design, our facilities are constantly being updated. They include the most modern machining equipment as well as custom robots for our unique automated assembly needs.

Custom coaxial interconnects are our specialty

A few years ago, we embarked on an engineering initiative to look at every standard RF/microwave connection and ask ourselves, "How can we drive down costs while driving up consumer expectations?" As a result, we've introduced a variety of industry firsts you'll find throughout this brochure.

But what you'll also find at San-tron is a dedicated team of engineers, technicians, and project managers who are ready for a challenge. As the demand of higher frequencies, higher power and dynamic range, and reliability are driven down to the interconnect, we know you can't solve every problem with an off-the-shelf solution. In those times you can count us to deliver like no one else. Our brand is built on solving application challenges and we are here to meet yours today.

ISO 9001:2008
REGISTERED

ROHS
COMPLIANT

DFARS
COMPLIANT

ITAR
COMPLIANT

AS9100
REGISTERED



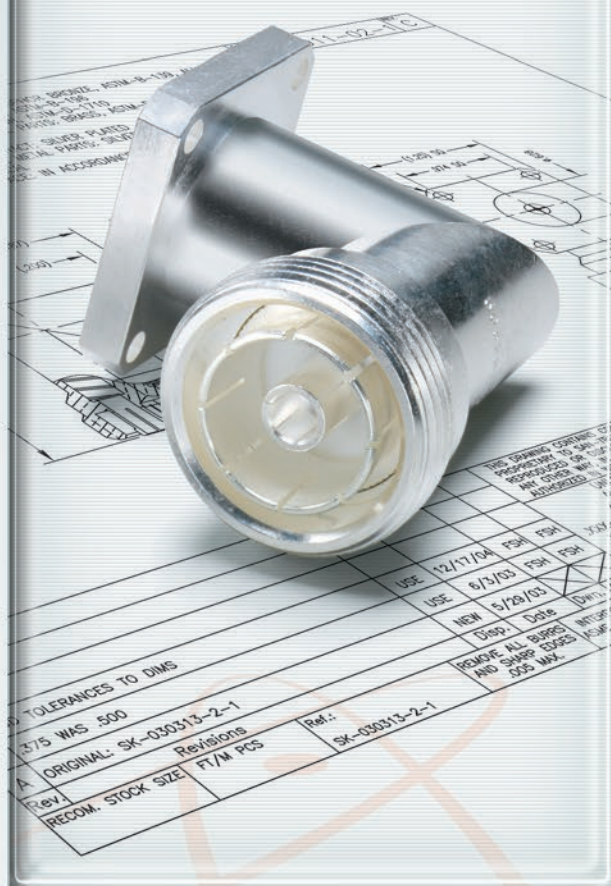


Field-tested and globally approved

From mobile battlefield-radar terminals to tower connections in the Arctic tundra, San-tron products have stood up to the test. Military programs such as F-15, JDAM, over-the-horizon radar, and joint military communications all rely on San-tron interconnects to perform. In addition, our dependable connectors are found in high-level, homeland-security programs and in some of the most demanding wireless and medical applications around the world.



SEARCH OVER 1,000 STANDARD CONNECTORS AND ASSEMBLIES

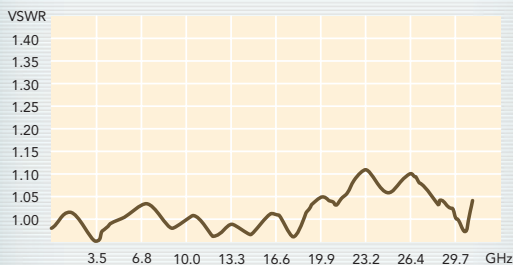


SMA Connectors



High-performance, field-replaceable SMAs.

San-tron's latest field-replaceable SMA receptacles are ideal for a wide range of applications from DC to 26.5 GHz. Usable through 31 GHz, these reliable 50 Ohm SMA receptacles are available for use with 0.012-, 0.015-, 0.018-, and 0.020-inch center pins to accommodate a wide range of RF/microwave circuit dimensions. They are constructed with passivated stainless-steel bodies, gold-plated center contacts, and PTFE insulators for outstanding performance, with VSWR of 1.07:1 or better from DC to 18 GHz and 1.25:1 or better through 26.5 GHz. The SMA receptacles are designed for operating voltages of 335 V and DWV of 1000 V.



San-tron offers a range of SMA connectors and phase-matched adapters for a variety of applications, from DC to 40 GHz. SMA connectors can be set for specific frequency ranges, depending upon the requirements. They are available as male and female cable connectors in crimp or solder versions (with San-tron's unique torque-proof, safety-lock coupling nuts for added reliability) for a number of different cables; SMA receptacles are available in bulkhead, press-fit, and panel-mount configurations. Panel-mount receptacles can be supplied in 3/8- and 1/2-inch square flange sizes as well as in two-hole versions, with or without gasket seals. San-tron's SMA receptacles feature solder-cup, post, or tab contact terminations. The SMA lineup also includes newly developed eSMA plugs and jacks for use with flexible cables, with outstanding performance through 20 GHz (see Cable Assemblies). Additionally, San-tron supplies a variety of field-replaceable SMA connectors for use with 0.012-, 0.015-, 0.018-, and 0.020-inch diameter pin sizes. They feature 1/2-inch square, 3/8-inch square, and 2-hole flanges, and are available with or without EMI gaskets and ground planes.

Performance

Frequency Range:	DC to 12.4 GHz, DC to 18 GHz, DC to 26 GHz, or DC to 40 GHz (dependent upon cable)
Voltage Rating:	355 to 500 VRMS (sea level; dependent upon cable)
Nominal Impedance:	50 Ohms
DWV:	500 to 1500 VRMS (sea level; dependent upon cable)
Insulation Resistance:	10,000 megaohms
Temperature Range:	-65°C to +165°C

Materials

Dielectrics:	PTFE Fluorocarbon, Type 1, GR1, CLA
Contacts (Female):	Beryllium copper
Gaskets:	Silicone rubber, GR 50-60
Locking Ring:	Beryllium copper
Crimp Sleeves:	DHP copper, CDA-122, soft temper
Other Metal Parts:	Brass or stainless steel

Plating

Center Contacts:	Gold
Metal Parts:	Passivated, nickel, silver, albaloy

S292™ Connectors



San-tron has launched a new series of 2.92 mm connectors that operate through K band. Initiating a design standardized to a Thunderline-Z, TL-150, glass-to-metal feedthru, San-tron has developed a transitional RF geometry that greatly reduces the tolerance sensitivity of the final interconnection. The launch diameters of these S292 connectors are specifically oriented to the Thunderline-Z .012 pinned-glass beads and are RF-matched to the dielectric properties of Corning Glass #7070. Thus, San-tron S292 connectors achieve impressive VSWR figures through 40 GHz. As a baseline, data show that two connectors mated via the Thunderline-Z feedthru exhibit VSWR of <1.04 through 12 GHz and <1.18 through 40 GHz. Future offerings are planned to support microstrip and stripline applications. This product line offers a compatible mating style to K Connectors® and SMA, WSMA, and 3.5 mm connectors.

Performance

Frequency Range:	DC to 40 GHz
VSWR:	<1.04 (DC to 12) & <1.18 (12 to 40)
Voltage Rating:	100 VRMS (sea level)
Nominal Impedance:	50 Ohms
DWV:	300 VRMS, at 60 Hz (sea level)
Temperature Range:	-65°C to +85°C
Heat Deflection:	169°C at 66 PSI

Materials

Dielectrics:	Acetal homopolymer
Contacts (Female):	Beryllium copper
Gaskets:	Silicone rubber
Locking Ring:	Beryllium copper
Other Metal Parts:	Stainless steel 303

Plating

Center Contacts:	.000050 gold, nickel
Metal Parts:	Passivated

MHV & SHV Connectors



San-tron offers a variety of MHV and SHV connectors for demanding, high-voltage applications. Weatherproof MHV connectors feature a quick-disconnect, bayonet-locking coupling mechanism while SHV connectors incorporate an added safety feature with outer contacts that remain grounded throughout the connector-mating sequence. The MHV and SHV connector families are available as male and female cable connectors, with standard and polarized interfaces in crimp-on or clamp-on versions for a variety of different cables with diameters from 0.150 to 0.250 inches, and in bulkhead and panel-mounted receptacles. They are available with a variety of finish options, including silver, nickel, albaloy, and gold plating. All San-tron MHV connectors will mate with connectors and adapters that incorporate MIL-STD-348 MHV interfaces, while all San-tron SHV connectors will mate with connectors and adapters based on MIL-STD-348 SHV interfaces.

Performance

Voltage Rating:	MHV 3500 VRMS (sea level) SHV 5000 VDC (sea level)
Nominal Impedance:	Non-constant
DWV:	MHV: 5000 VRMS at 60 Hz (sea level) SHV: 5000 VRMS at 60 Hz (sea level; 10,000 VDC min.)
Insulation Resistance:	MHV: 5000 megaohms min. SHV: 1,000,000 megaohms min.
Temperature Range:	-65°C to +165°C

Materials

Dielectrics:	PTFE Fluorocarbon, Type 1, GR1, CLA
Contacts (Female):	Beryllium copper
Male Outer Contacts:	Beryllium copper, brass
Gaskets:	Silicone rubber, GR 50-60
Spring Washers:	Beryllium copper
Crimp Sleeves:	DHP copper, CDA-122, soft temper
Other Metal Parts:	Brass

Plating

Center Contacts:	Silver, gold
Metal Parts:	Nickel, silver, albaloy

BNC & TNC Connectors



San-tron's extensive lines of BNC and TNC connectors and adapters are available as male and female cable connectors for cables with diameters from 0.150 to 0.250 inches (versions are also available for cables with diameters from 0.094 to 0.420 inches), and as receptacles with panel, bulkhead, press-fit, and threaded mountings. BNC connectors join with a quick-disconnect, bayonet-locking coupling mechanism while TNC connectors employ a screw-type threaded connection for harsh environments. The connectors and adapters are constructed of brass with heat-treated, beryllium-copper, female center contacts, with a variety of finish options including silver, nickel, albaloy, or gold plating in any combination. All San-tron BNC connectors mate with connectors and adapters that incorporate MIL-STD-348 BNC interfaces, while all TNC connectors mate with connectors and adapters based on MIL-STD-348 TNC interfaces.

Performance

Frequency Range:	BNC: DC to 4 GHz TNC: DC to 11 GHz
Voltage Rating:	500 VRMS (sea level)
Nominal Impedance:	50 Ohms
DWV:	1500 VRMS at 60 Hz (sea level)
Insulation Resistance:	5000 megaohms min.
Temperature Range:	-65°C to +165°C

Materials

Dielectrics:	PTFE Fluorocarbon, Type 1, GR1, CLA
Contacts (Female):	Beryllium copper
Male Outer Contacts:	Beryllium copper, Brass
Gaskets:	Silicone rubber, GR 50-60
Locking Ring:	Phosphor bronze, spring temper
Crimp Sleeves:	DHP copper, CDA-122, soft temper
Other Metal Parts:	Brass

Plating

Center Contacts:	Silver, gold
Metal Parts:	Nickel, silver, albaloy

C & SC Connectors



San-tron offers C and SC connectors and adapters, usable for applications through 11 GHz. The 50 Ohm C connectors feature a reliable quick-disconnect, bayonet-locking coupling mechanism, while the 50 Ohm SC connectors employ a threaded, screw-type coupling mechanism. Male and female cable connectors are available in crimp and clamp versions for cables with diameters from 0.350 to 0.450 inches (versions are also available for armored cables and for standard cables with diameters from 0.206 to 0.545 inches), while panel-mount and thread-mount receptacles are also available. They are constructed with brass bodies, heat-treated, beryllium-copper, female center contacts, phosphor-bronze male outer contacts, and PTFE dielectric or Fluoroloy® for high-power applications. San-tron's C connectors mate with connectors with MIL-STD-348 C interfaces, while SC connectors will mate with connectors and adapters based on MIL-STD-348 SC interfaces. All finish plating options are available.

Performance

Frequency Range:	DC to 11 GHz
Voltage Rating:	1000 VRMS min. (sea level)
Nominal Impedance:	50 Ohms
DWV:	3000 VRMS min. at 60 Hz (sea level)
Insulation Resistance:	5000 megaohms min.
Temperature Range:	-65°C to +165°C

Materials

Dielectrics:	PTFE Fluorocarbon, Fluoroloy
Contacts (Female):	Beryllium copper
Male Outer Contacts:	Beryllium copper
Gaskets:	Silicone rubber, GR 50-60
Locking Ring:	Phosphor bronze
Spring Washers:	Beryllium copper
Crimp Sleeves:	DHP copper, CDA-122, soft temper
Other Metal Parts:	Brass

Plating

Center Contacts:	Silver, gold
Metal Parts:	Nickel, silver, albaloy

Type N Connectors



In addition to a range of standard N connectors, San-tron offers a wide variety of N receptacles with panel, bulkhead, press-fit and threaded mountings. Panel mounts are available in 1/2-, 11/16-, and 1-inch square sizes, and with rectangular flanges. They may be gasket-sealed to a panel or not. This allows the user to interchange the connector series using the same panel layout. Many of our receptacles have extended dielectrics and feature solder-cup, post, tab, or threaded contact terminations. Some are pressurized. Plugs and jacks are available in crimp, clamp, or solder versions for a wide range of cables. Plugs are available with either standard-knurled or hexagon coupling nuts, with or without safety-wire holes. Female contacts may be heat-treated, beryllium-copper or phosphor-bronze when cost is a factor and are available in a variety of finishes including silver, gold, albaloy, or passivation in any combination.

Performance

Frequency Range:	DC to 11 GHz, DC to 18 GHz
Voltage Rating:	1000 VRMS (sea level)
Nominal Impedance:	50 Ohms
DWV:	2500 VRMS min. at 60 Hz (sea level)
Insulation Resistance:	5000 megaohms min.
Temperature Range:	-65°C to +165°C

Materials

Dielectrics:	PTFE Fluorocarbon
Contacts (Female):	Beryllium copper, phosphor bronze
Male Outer Contacts:	Phosphor bronze, brass
Gaskets:	Silicone rubber, GR 50-60
Other Metal Parts:	Brass

Plating

Center Contacts:	Silver, gold
Metal Parts:	Passivated, nickel, silver, albaloy



4.1/9.5 "Mini-DIN" series meets carrier specs

Designed and manufactured as a drop-in for all carrier specified "mini-DIN" interconnections, San-tron's own 4.1/9.5 series connectors are the designer's choice for quality and performance. Frequency range is DC to 14 GHz with a nominal impedance of 50 ohms. DWV is 2500 VRMS at 60 Hz (sea level), and current is 10 amps DC. These connectors withstand temperatures from -55° to +155° C and are weather-rated to 44 psi (mated). They are durability tested to 500 cycles and meet the most critical requirements for attenuation, VSWR, and intermodulation strength. Robust brass bodies with Albaloy plating and silver plated contacts complete these industry leading solutions.



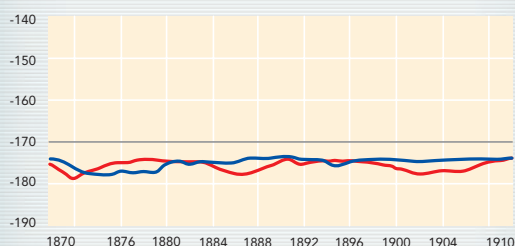
New, 4.3-10 series connectors added to low PIM SRX cable options

San-tron has recently added high-performance, 4.3-10 series connections as an option in our expanding SRX low PIM cable assembly line. 4.3-10 series interfaces feature RF performance through 14 GHz and yield low PIM of just -165 dBc. They are manufactured to IP67 standards and meet the most critical requirements for attenuation and loss while standing up to extreme conditions. 4.3-10 adapters are available within-series, as well as between-series, adapting to Type N, SMA and 7/16 DIN interfaces.

More Power to the Tower

7/16 panel receptacle reaches -175 dBc intermodulation level.

San-tron's industry-leading 7/16 series designs include a panel receptacle that consistently delivers intermodulation levels of -175 dBc. This receptacle is especially suited for uplink communications. It ensures high-grade transmission by delivering VSWR <1.03 (PCS) and PIM of -175 dBc. It is weather-sealed and is delivered with an enhanced .232 interface, which results in improved mating characteristics and reduction of mating torque. In addition to improved on/off mating, the enhanced .232 interface also offers higher signal integrity. The body, insulator, and center contact are all one-piece constructions.



7/16 Connectors



San-tron produces rugged 7/16 connectors for applications requiring high-power transmission and extremely low intermodulation distortion (IMD), such as wired and wireless communications. Available as weather-sealed cable connectors, bulkhead-mount, or panel-mount receptacles, these durable 7/16 connectors incorporate a reliable, screw-type coupling mechanism that delivers high-voltage capacity. For critical communications applications, panel receptacles can be supplied with passive intermodulation (PIM) performance as good as -175 dBc, with typical performance for straight 7/16 connectors in excess of -155 dBc. San-tron's precision-machined 7/16 connectors are manufactured in accordance with IEC 169-4 specifications. They feature low-resistance, silver-plated, phosphor-bronze, female center contacts and solid or slotted male outer contacts, with choice of silver, albaloy, or albaloy-gold body. Cable connectors can be used with coaxial cables ranging from 0.141 to 0.545 inches in diameter and are available in clamp, crimp, or solder versions.

Performance

Frequency Range:	DC to 7.5 GHz
Voltage Rating:	1000 VRMS min. (sea level)
Nominal Impedance:	50 Ohms
DMV:	4000 VRMS min. at 60 Hz (sea level)
Insulation Resistance:	10,000 megaohms min.
Temperature Range:	-55°C to +155°C

Materials

Dielectrics:	PTFE Fluorocarbon, Fluoroloy
Contacts (Female):	Phosphor bronze, beryllium copper
Male Outer Contacts:	Phosphor bronze, brass
Gaskets:	Silicone rubber, GR 50-60
Other Metal Parts:	Brass

Plating

Center Contacts:	Silver, gold
Metal Parts:	Silver, albaloy

HN Connectors



San-tron offers a number of different high-voltage, HN male and female cable connectors for cables with diameters from 0.195 to 0.945 inches and for applications from DC to 4 GHz. Designed with a mechanical cable-clamping mechanism, the connectors can also be supplied with armor clamps for use with armored cables. In addition to the cable connectors, a male-to-male HN straight adapter is also available. San-tron’s weatherproof, 50 Ohm, HN connectors feature a reliable, screw-type coupling mechanism that enables an operating voltage rating of 1500 VRMS. The HN connectors are constructed of brass bodies with brass or heat-treated, beryllium-copper center contacts, phosphor-bronze male outer contacts and PTFE dielectric material. They are available with a number of finish options, including silver, nickel, albaloy, or gold plating in any combination. All San-tron HN connectors will mate with connectors and adapters that incorporate MIL-STD-348 HN interfaces.

Performance	
Frequency Range:	DC to 4 GHz
Voltage Rating:	1500 VRMS min. (sea level)
Nominal Impedance:	50 Ohms
DWV:	5000 VRMS min. at 60 Hz (sea level)
Insulation Resistance:	5000 megaohms min.
Temperature Range:	-65°C to +165°C
Materials	
Dielectrics:	PTFE Fluorocarbon
Contacts (Female):	Beryllium copper
Male Outer Contacts:	Phosphor bronze
Gaskets:	Silicone rubber, GR 50-60
Locking Ring:	Phosphor bronze, spring temper
Other Metal Parts:	Brass
Plating	
Center Contacts:	Silver, gold
Metal Parts:	Nickel, silver, albaloy

LC Connectors



San-tron supplies reliable LC connectors for demanding, high-voltage applications from DC to 1 GHz. These weatherproof, 50 Ohm connectors are intended for use with high-power 0.500 to 0.730 inches diameter cables and are designed with dependable, screw-type, cable-clamping mechanisms, including armor clamps for use with armored cables. Versions are available rated to 10,000 VRMS. The LC connectors are constructed with extended PTFE dielectric material and nickel, silver, or albaloy-plated brass bodies. Beryllium-copper male outer contacts and phosphor-bronze male outer contacts are plated with silver, gold, or albaloy to minimize resistance and increase power-handling capability. All San-tron LC connectors will mate with connectors and adapters equipped with MIL-STD-348 LC interfaces.

Performance	
Frequency Range:	DC to 1 GHz
Voltage Rating:	5000 VRMS min. (sea level)
Nominal Impedance:	50 Ohms
DMV:	5000 VRMS min. at 60 Hz (sea level)
Temperature Range:	-65°C to +165°C, UG-154A/U to temperature rating of cable
Materials	
Dielectrics:	PTFE Fluorocarbon
Male Contacts:	Beryllium copper
Male Outer Contacts:	Phosphor bronze
Gaskets:	Buna-N, silicone rubber
Locking Ring:	Phosphor bronze
Other Metal Parts:	Brass
Plating	
Center Contacts:	Silver, gold
Metal Parts:	Nickel, silver, albaloy

Standard Adapters



For more than 60 years, San-tron has been the source for within-series and between-series adapters to the RF and microwave industry. Whether it's for a test application or in a production environment, San-tron has the solution for any application. For example, our in-series SMA adapters offer matched-phase length, supporting test-port "swap-outs" for S21 (VSWR) measurements. We also offer a complete line of N to SMA adapters, the most common for OEM applications, and 7/16 to SMA adapters in several configurations. All adapter styles are available in straight for test applications, as well as 4-hole flange and bulkhead-mounted styles for production applications.

Specialty Connectors



In addition to the series outlined in this brochure, San-tron also services your needs for other, more unique series. If your application calls for any of the following series, we have experience in these styles, too.

- | | | |
|----------------|---------|--------------|
| • UHF/Mini UHF | • SMP | • RPN |
| • RPTNC | • SMPM | • 75 Ohm N |
| • QMA | • MCX | • NTR |
| • QDS | • MMCX | • 1.0/2.3 mm |
| • F | • BMA | • 3.5 mm |
| • 75 Ohm BNC | • RPSMA | • U.FL |

Low PIM Adapters



San-tron has introduced a full line of low-PIM adapters within our SRX™ line. These high-performance adapters have been designed with close attention to material selection and manufacturing practices for optimal PIM results. In addition to the line offering PIM performance beyond -170 dBc, the within series 7/16 adapters are designed with 100 psec electrical lengths which allow for easy adapter substitutions. Likewise, 7/16 to Type N adapters are designed with 225 psec electrical lengths supporting calibration and substitution processes.

Value-Added Services

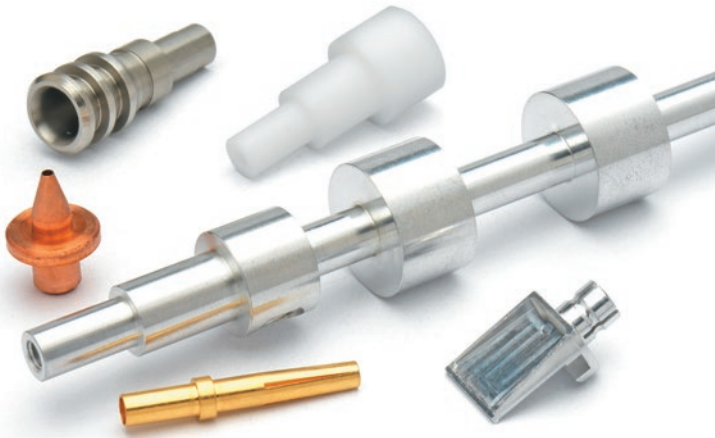
San-tron's service includes providing additional cost savings and improved reliability in assemblies for both our military and commercial customers. Allow us to show you how our experience can lead to dramatic savings on precision, custom assemblies and complete product design and delivery.

Whether your requirement is a smaller custom lot or a high-volume run, San-tron's equipment and personnel will deliver the results your applications demand.

- Automated Precision Assembly
- Automated Secondary Machining
- Soldering
- Thermal cycling, shock, and humidity
- Stamping/Numbering
- Testing
- Private Labeling
- Automated Bagging and Packaging

As a full service interconnect manufacturer, we also specialize in brazing or mechanically assembling connectors to loops, mounting brackets, flanges, and boxes.

Turned Components



In addition to being a leading global source for RF coaxial connectors, San-tron also offers precision turned components for a variety of industries and unique applications. You can count on our state-of-the-art CNC turning and milling facilities, talented personnel, and more than 50 years of turning experience to handle all your custom-component needs.

Our connector customers have always known us as the source for custom bodies, conductors, contacts, pins, insulators, nuts, gaskets, and retaining rings. And for your more exotic needs, our specialized equipment and talent is here to help you to deliver high-quality parts at competitive prices.

Applications:

- Wireless
- Medical
- Marine
- Telecommunications
- Aerospace
- Automotive
- Military
- Aircraft

Materials:

- Brass
- Stainless Steel
- Teflon
- Ultem
- Beryllium Copper
- Phosphor Bronze
- Delrin
- Fluoroloy-H
- Aluminum
- Kovar
- Rexolite
- Exotic Metals

Special Services:

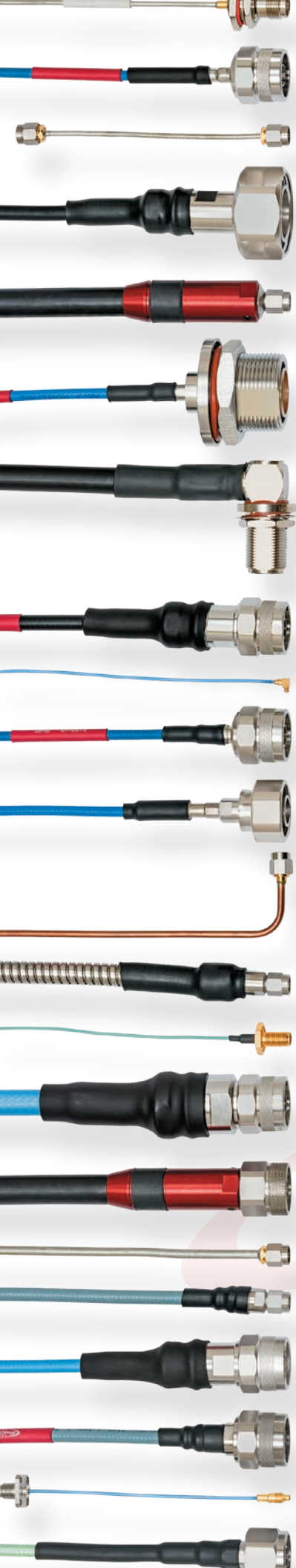
- Precision CNC Turning
- Precision CNC Milling
- Automated Assembly
- Heat Treating
- Design and Materials Assistance
- Plating Assistance
- Custom Slotting and Cross Drilling



Custom solutions for your unique applications

Some customer applications require a little ingenuity. That's when San-tron excels. Putting more than 60 years' worth of coaxial-connector design and manufacturing experience to work, we can solve any challenge and deliver solutions fast. Whether your requirement calls for unique mounting, a modified interface, impedance matching, single-piece construction, and/or specialized plating, you can trust San-tron to meet your needs exactly. Our engineering and manufacturing teams will work with you through every requirement to be sure your solution meets every spec and is designed for manufacturability.

**Call our application support team at
978-356-1585
to discuss your needs.**



Allow us to custom tailor your next cable assembly to your exact requirements

We're your full service designer and manufacturer of RF/Microwave coaxial cable assemblies. For over 60 years we've been engineering and delivering the industry's most respected coaxial interconnects. Whether it's direct to a board or a high power base station connection, we have the experience and in-house facilities you can lean on.



**Configure the perfect cable assembly at
Santron.com/Buildit**



Low PIM Solutions

San-tron's SRX, ultra-low PIM cable assemblies are the perfect choice when passive intermodulation distortion issues plague your critical signal transmissions. These assemblies are phase and attenuation stable, provide excellent shielding, and support UL/NEC Plenum class CMP. They're also corrosion-resistant, lightweight, and highly flexible. They feature intermodulation performance as low as -174 dBc with an eSeries 7/16 connector. Typical performance across the lineup of SRX assemblies terminated with eSMA and eSeries Type Ns is -158 dBc. Frequency performance of eSMA terminated cable assemblies is DC to 20 GHz and eSeries Type N terminated cable assemblies perform from DC to 18 GHz.

To learn more visit Santron.com/SRX



pSeries™

Pressurized Solutions

San-tron pSeries™ pressurized connectors and assemblies are ideal for applications with exposure to the elements. Most standard pressurized connectors employ a failure-prone internal o-ring. But our pSeries™ line achieves IP68-rated performance (unmated) with a proprietary dielectric and precision machining. These solutions offer clean RF signals through 40 GHz and higher. SMPM through 7/16 style interfaces are available making them ideal for anything from mil/aero and space to agriculture and meter reading applications.

To learn more visit Santron.com/pSeries



Hand-formable and Semi-rigid

San-tron's broadband semi-rigid and hand-formable cables offer performance up to 40 GHz with cable pre-conditioning and thermal stabilization. They are ideal for military and commercial satellite communications systems, original equipment manufacturer (OEM) test equipment, broadcast, medical electronics and space flight system applications. Hand-formable and semi-rigid cables offer customer specific 3D forming while retaining all performance characteristics with the Copper/Aluminum/Conformable™ design. SRX-141 for flexible broadband low-PIM alternative to semi-rigid cables with functionality up to 20 GHz.



Micro-miniature

San-tron offers Micro-miniature coaxial cables for panel mount and board level interfaces. Connector varieties include SMA, SMP, SMPM, MCX, MMCX, and U.FL/IPEX. With SMA connectors options including bulkhead, 2-hole flange, and 4 hole flange. The Micro-miniature coaxial cable line up can operate with tight mechanical constraints, have a high-flex life, and are resistant to shock and vibration. These ruggedized cable assemblies are a common choice in EW, UAV, WiFi, and WLAN applications with limited real estate.



Low Loss/Test Cables

San-tron's low loss cable assembly solutions commercial, military and aerospace engineers designing in the 40 GHz or K-band range optimized solutions. These high performance cables are offered either armored or unarmored with diameters from .120" to .450". Common applications include automated test equipment (ATE), distributed antenna systems (DAS) installations and testing, bench top microwave assembly testing, and SATCOM networks and testing.



Flexible/RG/LMR™

San-tron's custom sized flexible/RG/LMR™ cables provide performance up to 20 GHz and offer an economical and perfected solution to standard length off-the-shelf assemblies for jumper cable applications. And with a double shield upgrade these cables can also be deployed in high performance environments such as distributed antenna systems and aerospace applications.



**Find or build your next high quality
interconnect solution at
Santron.com**



Always Thinking