

# *EN3155 CONTACTS*



**CARLISLE**  
INTERCONNECT TECHNOLOGIES

## Leading the Industry Through Innovation

With the addition of Tri-Star Electronics International, Carlisle Interconnect Technologies remains dedicated to providing our customers with innovative, high quality, cost-effective interconnect products. By combining the latest computerized automation with precision manufacturing techniques, we are able to manufacture contacts more efficiently, more precisely, less expensively and with more uniformity and reliability than anyone else. Our state of the art automation is designed, built and operated here at CarlisleIT/Tri-Star with many processes not duplicated anywhere else in the industry.

This has resulted in superior quality products and a sharp reduction in manufacturing costs due to a reduction of direct labor. This combination of quality and economy has been instrumental in establishing us as the industry leader.

We are proud of our over 30 years of experience in providing the finest quality contacts. We are committed to innovating our production methods and product offerings in order to increase the value we offer our customers. We stand ready to offer our clients an even greater selection of superior products and services in the years to come.

### CRIMP CONTACTS

We offer multiple Mil-Spec crimp contact styles. From standard crimp contacts to reduced crimp barrels or custom designed for unique wire applications, we are the leading manufacturer of crimp contacts for the Mil-Aero industry.

### PC TAIL CONTACTS

We are the #1 source for PC Tail contacts and have designed and manufactured thousands of Printed Circuit Tail contacts for all of the major connector families. Whether you choose from one of our existing styles or we build to your exact specifications.

### COAXIAL, TWINAX & TRIAX

Our coaxial, twinax and triax contacts are used in critical communication systems, commercial & military satellites and telecom, as well as navigation and integrated avionic applications. Coaxial contacts for Mil-C-38999, ARINC and many other connector families are available.

### THERMOCOUPLE CONTACTS

At 36,000 feet on a 70,000 lb thrust jet engine or miles down an oil exploration hole, our contacts can take the punishment. What may be exotic contacts to others have become one of our standard product offerings which brings decades of experience to your application.

### SOLDER CUP & WIRE WRAP

We provide both. Whether you are prototyping or wiring up a test application, we can provide you with the solder cup or wire wrap contacts you need.

### SPECIALIZED CUSTOM DESIGN

Special materials, designs or configurations – we can handle them all. Involve us with your design engineering team early in the process so we can help you to develop the most economical contact for your particular application.



EN Spec Number	Full Plated PN	Selective Plated PN	Style	Contact Size	Wire Barrel Size	Type/Class	Application	ASD Cert
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#### Style

PIN	Pin (Male) Contact
SKT	Socket (Female) Contact

#### Contact Size

Contact Engagement Size

#### Wire Barrel Size or Termination Type

Crimp Barrel Wire Accommodation, Termination Type (PC Tail or Wire Wrap) or Coax RG Cable Accommodation

#### Type/Class

##### Type:

A	Copper Alloy Contact
B	Ferrous Alloy Contact
C	Thermocouple Contact
D	Copper Alloy Shielded Contact

##### Class:

Class P	Maximum Operating Temperature +125°C
Class R	Maximum Operating Temperature +150°C
Class S	Maximum Operating Temperature +200°C
Class T	Maximum Operating Temperature +260°C
Class U	Maximum Operating Temperature +350°C

#### Application

PWR Power Contact

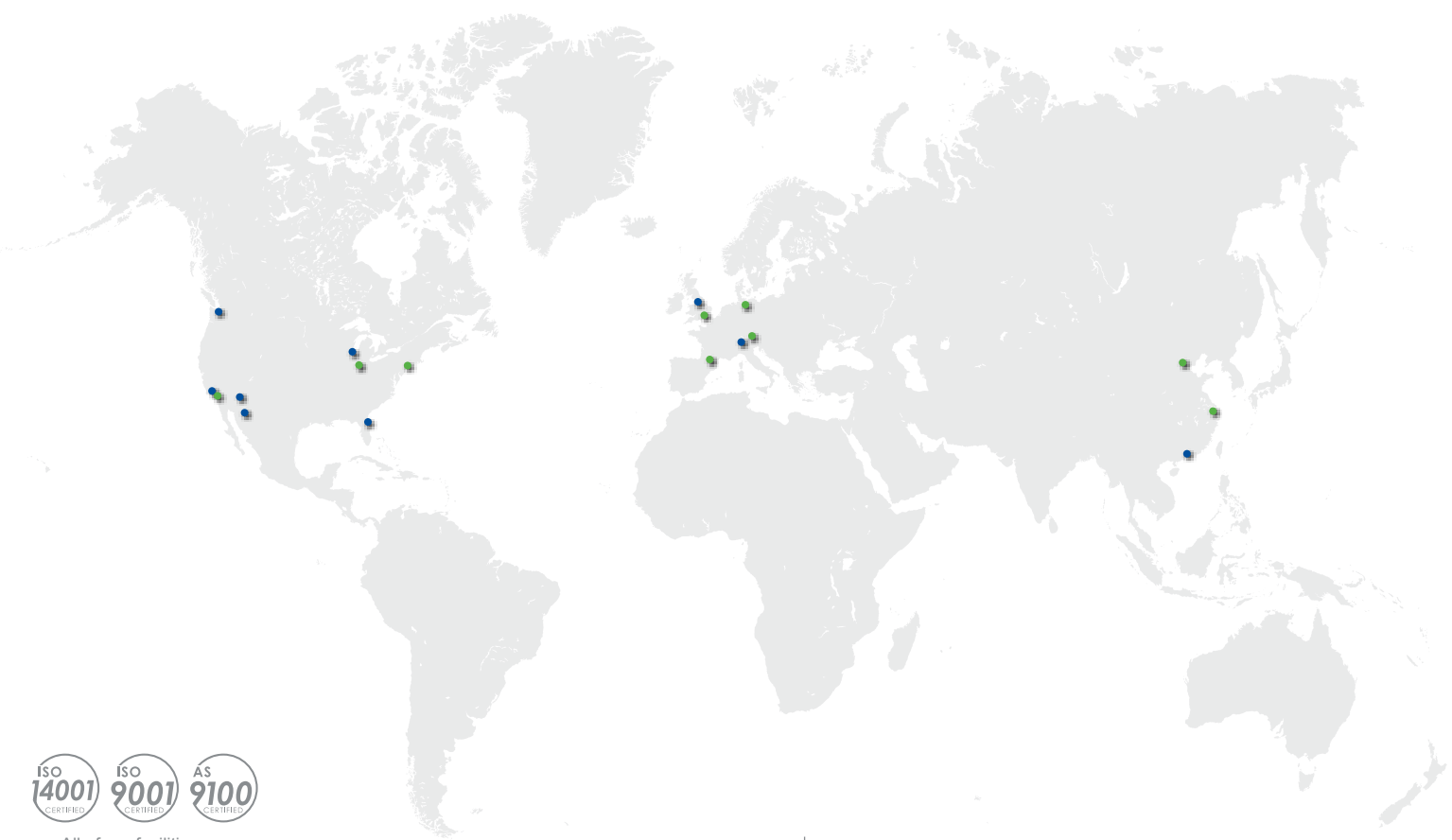
Thermocouple Material	Tri-Star PIN Suffix
KN (Formerly Alumel)	A
KP (Formerly Chromel)	C
JN (Formerly Constantan)	K
CU Copper	D
JP (Formerly Iron)	I

Other materials are also available; please consult factory for additional information.

# Contact Selection Guide

EN Spec Number	Full Plated PN	Selective Plated PN	Style	Contact Size	Wire Barrel Size	Type/Class	Application	ASD Cert
EN3155-003F1010	218-1010-909	218-1010-909-L	Socket	10	10	A/S	PWR	PQ140
EN3155-003F1212	218-1212-108	218-1212-108-L	Socket	12	12	A/S	PWR	PQ071
EN3155-003F1214	218-1214-108	218-1214-108-L	Socket	12	14	A/S	PWR	PQ171
EN3155-003F1614	218-1614-907	218-1614-907-L	Socket	16	14	A/S	PWR	PQ140
EN3155-003F1616	218-1616-107	218-1616-107-L	Socket	16	16	A/S	PWR	PQ140
EN3155-003F2018	218-2018-906	218-2018-906-L	Socket	20	18	A/S	PWR	PQ140
EN3155-003F2020	21D-2020-106	21D-2020-106-L	Socket	20	20	A/S	PWR	PQ140
EN3155-003F2022	218-2022-106-1	218-2022-106-1-L	Socket	20	22	A/S	PWR	PQ171
EN3155-003F2222	218-2222-103	218-2222-103-L	Socket	22	22	A/S	PWR	PQ140
EN3155-004M1212	21P-1212-090	21P-1212-090-L	Pin	12	12	A/T	PWR	PQ171
EN3155-004M1614	21P-1614-089	21P-1614-089-L	Pin	16	14	A/T	PWR	PQ171
EN3155-004M1616	21P-1616-089	21P-1616-089-L	Pin	16	16	A/T	PWR	PQ171
EN3155-004M1618	21P-1618-089	21P-1618-089-L	Pin	16	18	A/T	PWR	PQ171
EN3155-004M2018	217-2018-088	217-2018-088-L	Pin	20	18	A/T	PWR	PQ071
EN3155-004M2020	21P-2020-088	21P-2020-088-L	Pin	20	20	A/T	PWR	PQ171
EN3155-005F1212	218-1212-090-RR	218-1212-090-RR-L	Socket	12	12	A/T	PWR	PQ171
EN3155-005F1614	218-1614-089-RR	218-1614-089-RR-L	Socket	16	14	A/T	PWR	PQ171
EN3155-005F1616	218-1616-089-RR	218-1616-089-RR-L	Socket	16	16	A/T	PWR	PQ071
EN3155-005F1618	218-1618-089-RR	218-1618-089-RR-L	Socket	16	18	A/T	PWR	PQ071
EN3155-005F2018	218-2018-088-RR	218-2018-088-RR-L	Socket	20	18	A/T	PWR	PQ071
EN3155-005F2020	218-2020-088-RR	218-2020-088-RR-L	Socket	20	20	A/T	PWR	PQ171
EN3155-008M1010	217-1010-231	217-1010-231-L	Pin	10	10	A/S	PWR	PQ171
EN3155-008M1212	217-1212-108	217-1212-108-L	Pin	12	12	A/S	PWR	PQ140
EN3155-008M1214	217-1214-108	217-1214-108-L	Pin	12	14	A/S	PWR	PQ171
EN3155-008M1614	21A-1614-807	21A-1614-807-L	Pin	16	14	A/S	PWR	PQ140
EN3155-008M1616	217-1616-107	217-1616-107-L	Pin	16	16	A/S	PWR	PQ140
EN3155-008M2018	217-2018-996	217-2018-996-L	Pin	20	18	A/S	PWR	PQ140
EN3155-008M2020	217-2020-106	217-2020-106-L	Pin	20	20	A/S	PWR	PQ140
EN3155-008M2022	217-2022-106	217-2022-106-L	Pin	20	22	A/S	PWR	PQ171
EN3155-008M2222	217-2222-103	217-2222-103-L	Pin	22	22	A/S	PWR	PQ071
EN3155-009F1010	218-1010-231	218-1010-231-L	Socket	10	10	A/S	PWR	PQ171
EN3155-009F1212	218-1212-141	218-1212-141-L	Socket	12	12	A/S	PWR	PQ140
EN3155-009F1214	218-1214-141	218-1214-141-L	Socket	12	14	A/S	PWR	PQ171
EN3155-009F1614	218-1614-140	218-1614-140-L	Socket	16	14	A/S	PWR	PQ140
EN3155-009F1616	218-1616-140	218-1616-140-L	Socket	16	16	A/S	PWR	PQ140
EN3155-009F2018	218-20SP-139	218-20SP-139-L	Socket	20	18	A/S	PWR	PQ140
EN3155-009F2020	218-2020-139	218-2020-139-L	Socket	20	20	A/S	PWR	PQ071
EN3155-009F2222	218-2222-136	218-2222-136-L	Socket	22	22	A/S	PWR	PQ071
EN3155-014M2018	217-2018-055	217-2018-055-L	Pin	20	18	A/S	PWR	PQ140

EN Spec Number	Full Plated PN	Selective Plated PN	Style	Contact Size	Wire Barrel Size	Type/Class	Application	ASD Cert
EN3155-014M2020	217-2020-055	217-2020-055-L	Pin	20	20	A/S	PWR	PQ171
EN3155-014M2022	217-2022-A4055	217-2022-A4055-L	Pin	20	22	A/S	PWR	PQ171
EN3155-015F2018	218-2018-055	218-2018-055-L	Socket	20	18	A/S	PWR	PQ140
EN3155-015F2020	218-2020-055	218-2020-055-L	Socket	20	20	A/S	PWR	PQ140
EN3155-015F2022	218-2022-A4055	218-2022-A4055-L	Socket	20	22	A/S	PWR	PQ171
EN3155-016M1212	219-1212-816	--	Pin	12	12	A/S	PWR	PQ171
EN3155-016M1616	219-1616-816	--	Pin	16	16	A/S	PWR	PQ171
EN3155-016M2018	219-2018-816	--	Pin	20	18	A/S	PWR	PQ140
EN3155-016M2020	219-2020-816	--	Pin	20	20	A/S	PWR	PQ171
EN3155-016M2222	219-2222-816	--	Pin	22	22	A/S	PWR	PQ140
EN3155-017F1212	218-1212-634	218-1212-634-L	Socket	12	12	A/P	PWR	PQ171
EN3155-017F1216	218-1216-634	218-1216-634-L	Socket	12	16	A/P	PWR	PQ071
EN3155-017F1616	218-1616-634	218-1616-634-L	Socket	16	16	A/P	PWR	PQ071
EN3155-017F1620	218-1620-634	218-1620-634-L	Socket	16	20	A/P	PWR	PQ071
EN3155-018M1212	217-1212-090	217-1212-090-L	Pin	12	12	A/S	PWR	PQ140
EN3155-018M1614	217-1614-089	217-1614-089-L	Pin	16	14	A/S	PWR	PQ140
EN3155-018M1616	217-1616-089	217-1616-089-L	Pin	16	16	A/S	PWR	PQ140
EN3155-018M1618	217-1618-089	217-1618-089-L	Pin	16	18	A/S	PWR	PQ071
EN3155-018M2018	21A-2018-088	21A-2018-088-L	Pin	20	18	A/S	PWR	PQ140
EN3155-018M2020	217-2020-088	217-2020-088-L	Pin	20	20	A/S	PWR	PQ140
EN3155-018M2022	217-2022-788	217-2022-788-L	Pin	20	22	A/S	PWR	PQ140
EN3155-019F1212	218-1212-090	218-1212-090-L	Socket	12	12	A/S	PWR	PQ071
EN3155-019F1614	218-1614-889	218-1614-889-L	Socket	16	14	A/S	PWR	PQ140
EN3155-019F1616	218-1616-089	218-1616-089-L	Socket	16	16	A/S	PWR	PQ071
EN3155-019F1618	218-1618-089	218-1618-089-L	Socket	16	18	A/S	PWR	PQ140
EN3155-019F2018	218-2018-888	218-2018-888-L	Socket	20	18	A/S	PWR	PQ140
EN3155-019F2020	218-2020-088	218-2020-088-L	Socket	20	20	A/S	PWR	PQ140
EN3155-019F2022	218-2022-788	218-2022-788-L	Socket	20	22	A/S	PWR	PQ140
EN3155-026M1212	217-1212-306	217-1212-306-L	Pin	12	12	A/R	PWR	PQ171
EN3155-026M1616	217-1616-306	217-1616-306-L	Pin	16	16	A/R	PWR	PQ171
EN3155-026M2020	217-2020-306	217-2020-306-L	Pin	20	20	A/R	PWR	PQ171
EN3155-026Y2222	217-2222-A0306	217-2222-A0306-L	Pin	22	22	A/R	PWR	PQ171
EN3155-026P2222	217-2222-306	217-2222-306-L	Pin	22	22	A/R	PWR	PQ140
EN3155-027F1212	218-1212-306	218-1212-306-L	Socket	12	12	A/R	PWR	PQ140
EN3155-027F1616	218-1616-306	218-1616-306-L	Socket	16	16	A/R	PWR	PQ140
EN3155-027F2020	218-2020-306	218-2020-306-L	Socket	20	20	A/R	PWR	PQ140
EN3155-027F2222	218-2222-306	218-2222-306-L	Socket	22	22	A/R	PWR	PQ140
EN3155-055F2020	01B-2020-088A	NOT PLATED	Socket	20	20	C/T	TC-KN	PQ140
EN3155-057F2020	01B-2020-088C	NOT PLATED	Socket	20	20	C/T	TC-KP	PQ140



All of our facilities are ISO9001 & AS9100 Registered

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