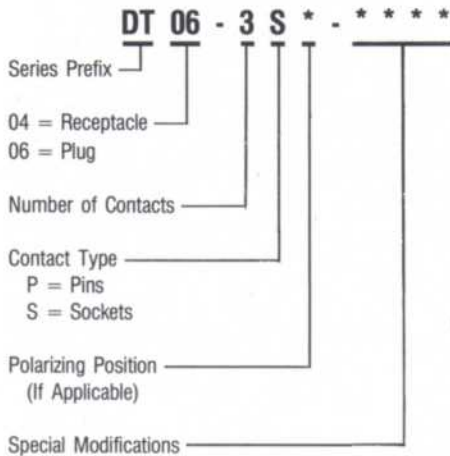


DT Series

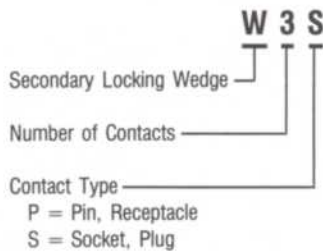
Product Data - Ordering Information

Ordering Information

Connector Part Numbering System



Secondary Lock Part Numbering System



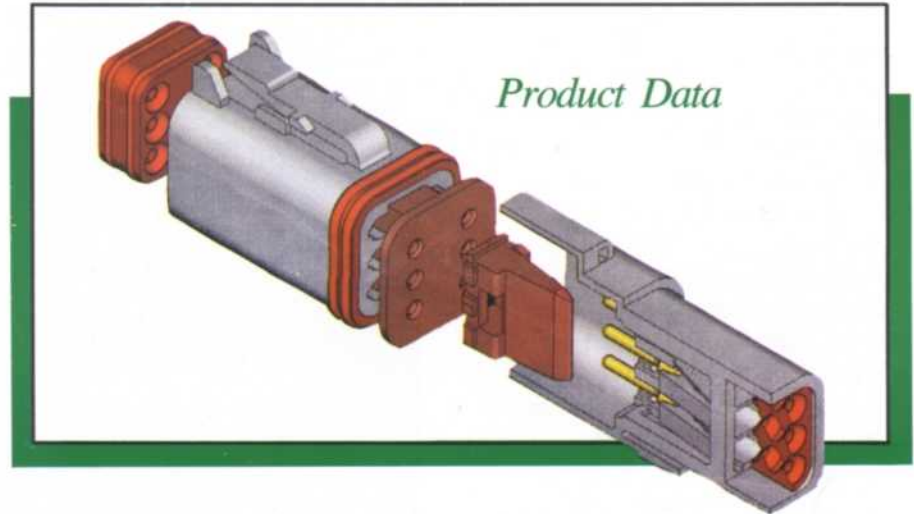
Contact Part Numbers

Solid - Crimp Type - Nickel Plated

0460-202-16141	PIN	16-18 AWG
0462-201-16141	SOC	16-18 AWG
0460-215-16141	PIN	14-16 AWG
0462-209-16141	SOC	14-16 AWG

Stamped & Formed Crimp Type - Nickel Plated
Strip Form (4000 Per Reel)

1060-16-0122	PIN	16-18 AWG
1062-16-0122	SOC	16-18 AWG
1060-14-0122	PIN	14-16 AWG
1062-14-0122	SOC	14-16 AWG



Material Specifications

Housings (Plug & Receptacle) - Thermoplastic
Seals - Silicone Elastomer
Secondary Locks - Thermoplastic
Contacts - Copper Alloy, Nickel Plated,
Gold Optional

General Specifications

Dielectric Withstanding Voltage (Test Voltage):
Sea Level - 1500 VAC (rms)

Current Rating (Maximum):
No. 16 13 amps

Silicone Insert:
Front and rear silicone inserts are devoid of all organic matter.

ARC Resistance:
All dielectric materials withstand a minimum of 130 seconds per ASTM D-495.

Physical Shock:
No locking, unmating or other unsatisfactory result after 50g's in each of three mutually perpendicular planes.

Dielectric Strength:
1500 volts minimum.

Submersion:

Properly wired and mated connection will withstand immersion under three feet of water without loss of electronic qualities or leakage.

Vibration:

Maintains continuity and exhibits no mechanical or physical damage after vibration. 20 g's at 10-2000 Hz.

Temperature:

Operative at temperatures from -55°C to +125°C at rated current.

Contact Retention:

Contacts withstand a minimum load of 25 lbs. for size 16.

Thermal Shock:

No cracking, chipping or leaking after 5 test cycles from -55°C to +125°C.

Insulation Resistance:

1000 megohms minimum at 25°C.

Usable Wire Size:

No. 16 contacts - receive conductor AWG 14 thru 18. Rear insert will seal on smooth insulation from .088" to .145" O.D.

Durability:

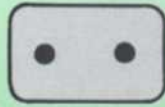
No electrical or mechanical defects after 100 cycles of engagement and disengagement.

Contact Millivolt Drop:

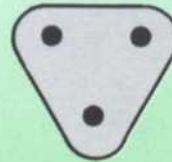
No. 16 contacts -100 millivolt drop* using 16 AWG wire. Test current 13 amps.

*Less drop through wire.

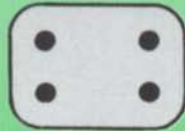
Contact Arrangements



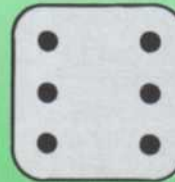
2
2 Size 16



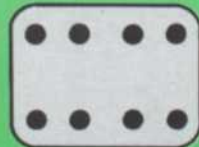
3
3 Size 16



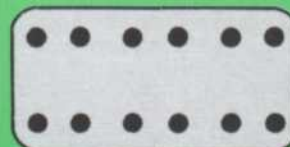
4
4 Size 16



6
6 Size 16



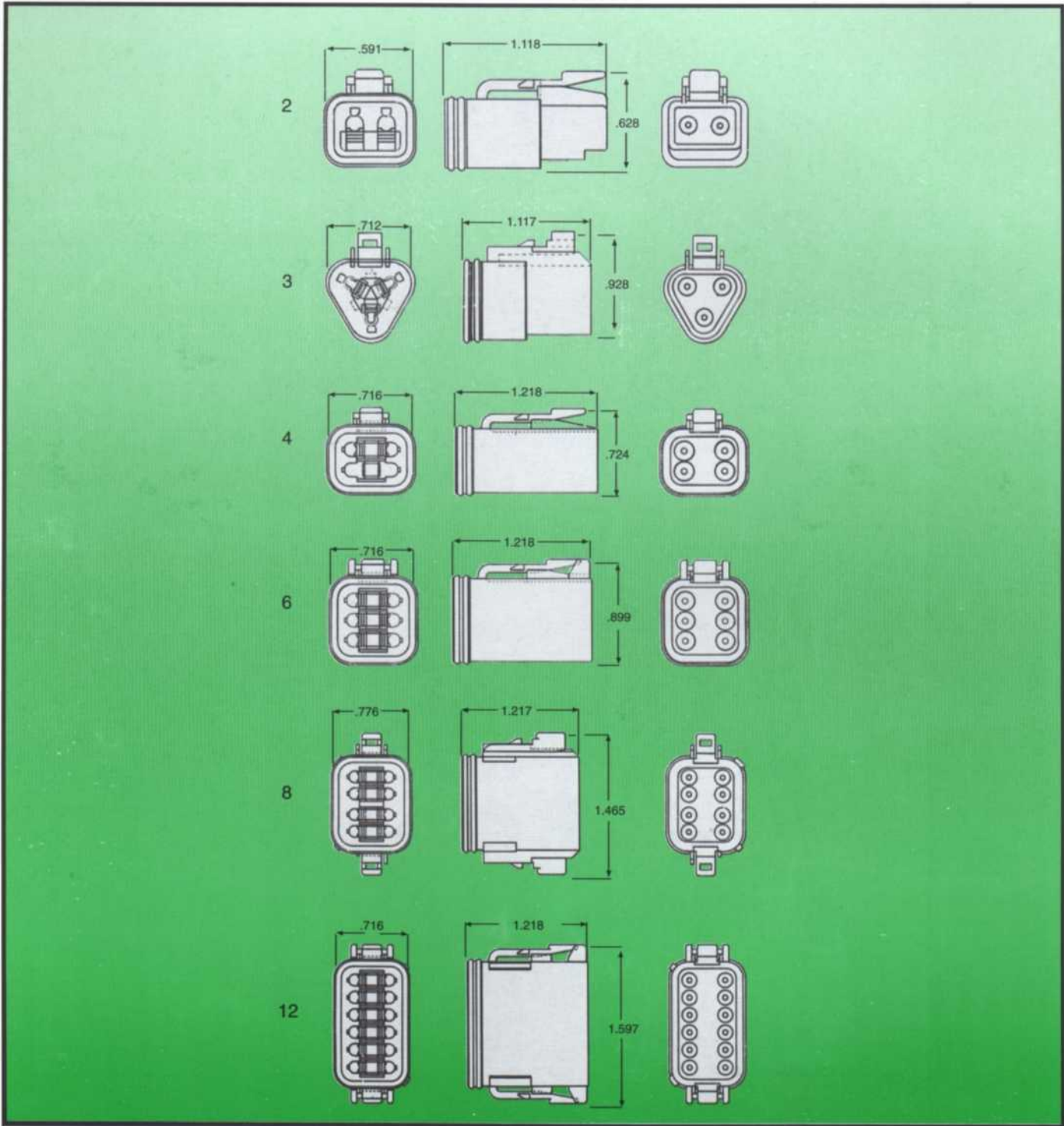
8
8 Size 16



12
12 Size 16

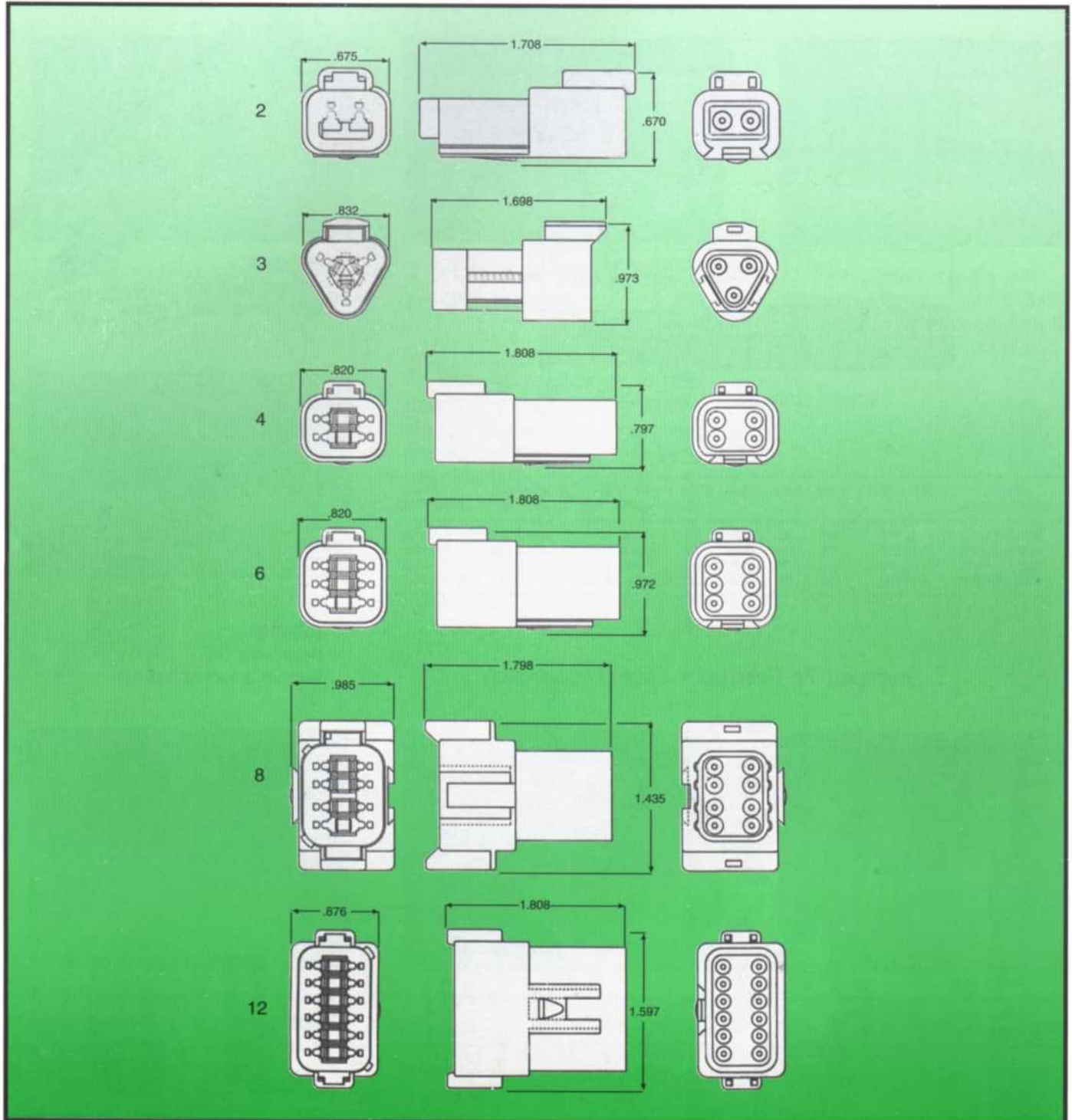
DT Series

Plug Cable To Cable



DT Series

Receptacle Cable To Cable

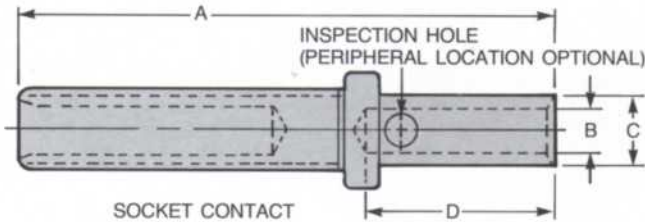
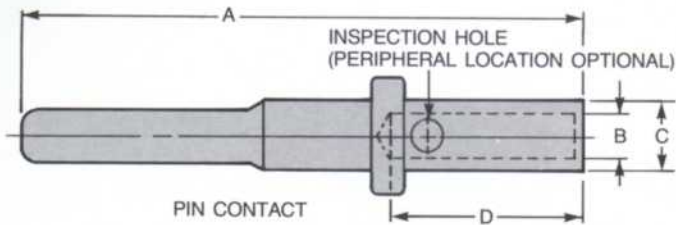


DT Series

Contacts and Tooling

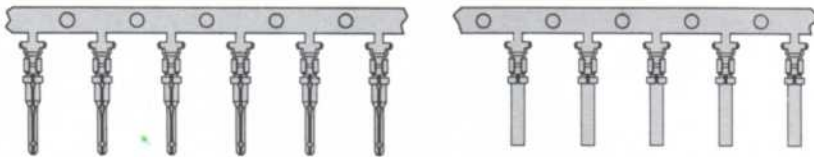
Contacts

Solid - Crimp Type



CONTACT PART NUMBER	SIZE & TYPE	A MAX	B MIN	C MAX	D MIN	WIRE GAGE RANGE	RECOMMENDED STRIP LENGTH	HAND CRIMP TOOL
0460-202-16141	16 PIN	.821	.066	.103	.250	16 AND 18	.250-.312	HDT-48-00
0462-201-16141	16 SOC	.759	.066	.103	.250	16 AND 18	.250-.312	HDT-48-00
0460-215-16141	16 PIN	.821	.076	.103	.250	14 AND 16	.250-.312	HDT-48-00
0462-209-16141	16 SOC	.757	.076	.103	.250	14 AND 16	.250-.312	HDT-48-00

Stamped & Formed - Crimp Type



STAMPED & FORMED CONTACT PART NUMBER	SIZE & TYPE	WIRE GAGE RANGE	RECOMMENDED STRIP LENGTH	HAND CRIMP TOOL
1060-16-0122	PIN	16 AND 18	.125-.175	DTT-16-00
1062-16-0122	SOCKET	16 AND 18	.125-.175	DTT-16-00
1060-14-0122	PIN	14 AND 16	.125-.175	DTT-16-00
1062-14-0122	SOCKET	14 AND 16	.125-.175	DTT-16-00

Tooling



HDT-48-00
Universal Hand Crimp Tool
Eight - Indent, Solid Contacts



DTT-16-00
Hand Crimp Tool
Stamped & Formed Contacts

Assembly Contact Insertion



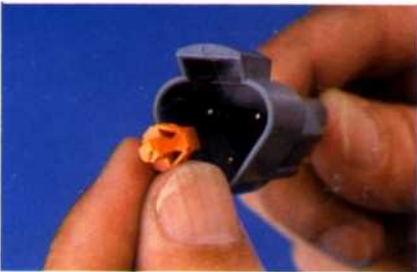
1 Grasp crimped contact approximately (25.4 mm) one inch behind the contact barrel.



2 Hold connector with rear grommet facing you.



3 Push contact straight into connector grommet until a click is felt. A slight tug will confirm that it is properly locked in place.



4 Once all contacts are in place, insert orange wedge with arrow pointing toward exterior locking mechanism. The orange wedge will snap into place. Rectangular wedges are not oriented. They may go in either way.

NOTE: The receptacle is shown - use the same procedure for plug.

Contact Removal



1 Remove orange wedge using needle-nose pliers or a hook shaped wire to pull wedge straight out.



2 To remove the contacts, gently pull wire backwards, while at the same time releasing the locking finger by moving it away from the contact with a screwdriver.



3 Hold the rear seal in place, as removing the contact will displace the seal.