

Medical Connector Product Overview



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Turnkey Solutions
For
Inter Connect
Manufacturing



TL-9000
TS-16949
ISO14001
OHSAS18001

Nextronics Engineering Corp.
Jan. 17th, 2011

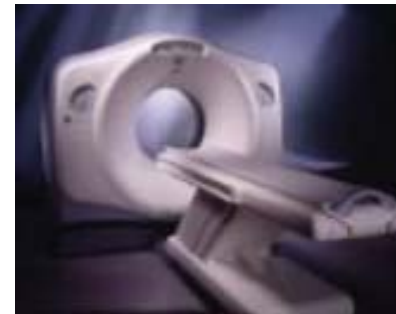
Medical Connector



Rounded design for quick snap and self-locking. High temperature and dust proof requirements of medical surgery, and also applicable for industrial, testing, and consumer electronics.

Product Application

- Therapy
- Surgical System
- Catheter
- X-Ray
- Nuclear MRI
- Diagnostic Equipment



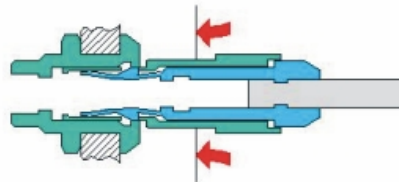
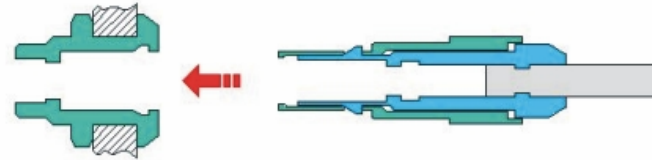
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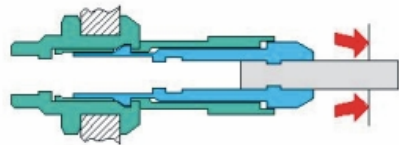


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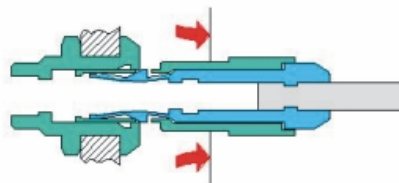
Mechanical Advantages



Engaging
Quick-lock allows the connector to be mated by simply pushing the plug straight into the receptacle.

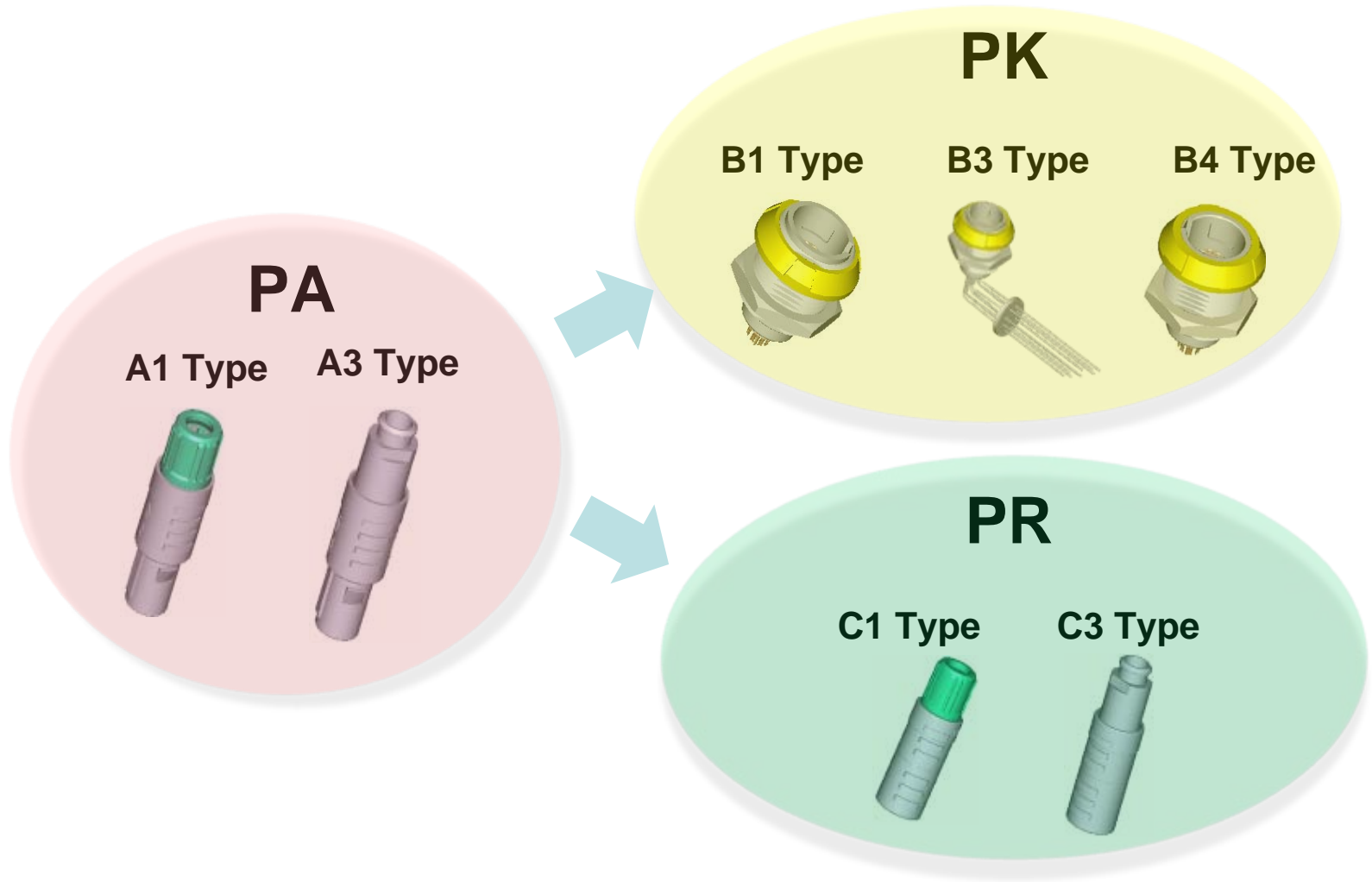


Latched
Once firmly latched, connection cannot be broken by pulling on the cable or any other component part other than the outer release sleeve.



Disengaging
When required, the connector is disengaged by a single straight pull on the outer release sleeve. This first disengages the latches and then withdraws the plug from the receptacle.

Product Classification



Product Composition



Receptacle

Insulator



Contact



Housing



Fixing Nut



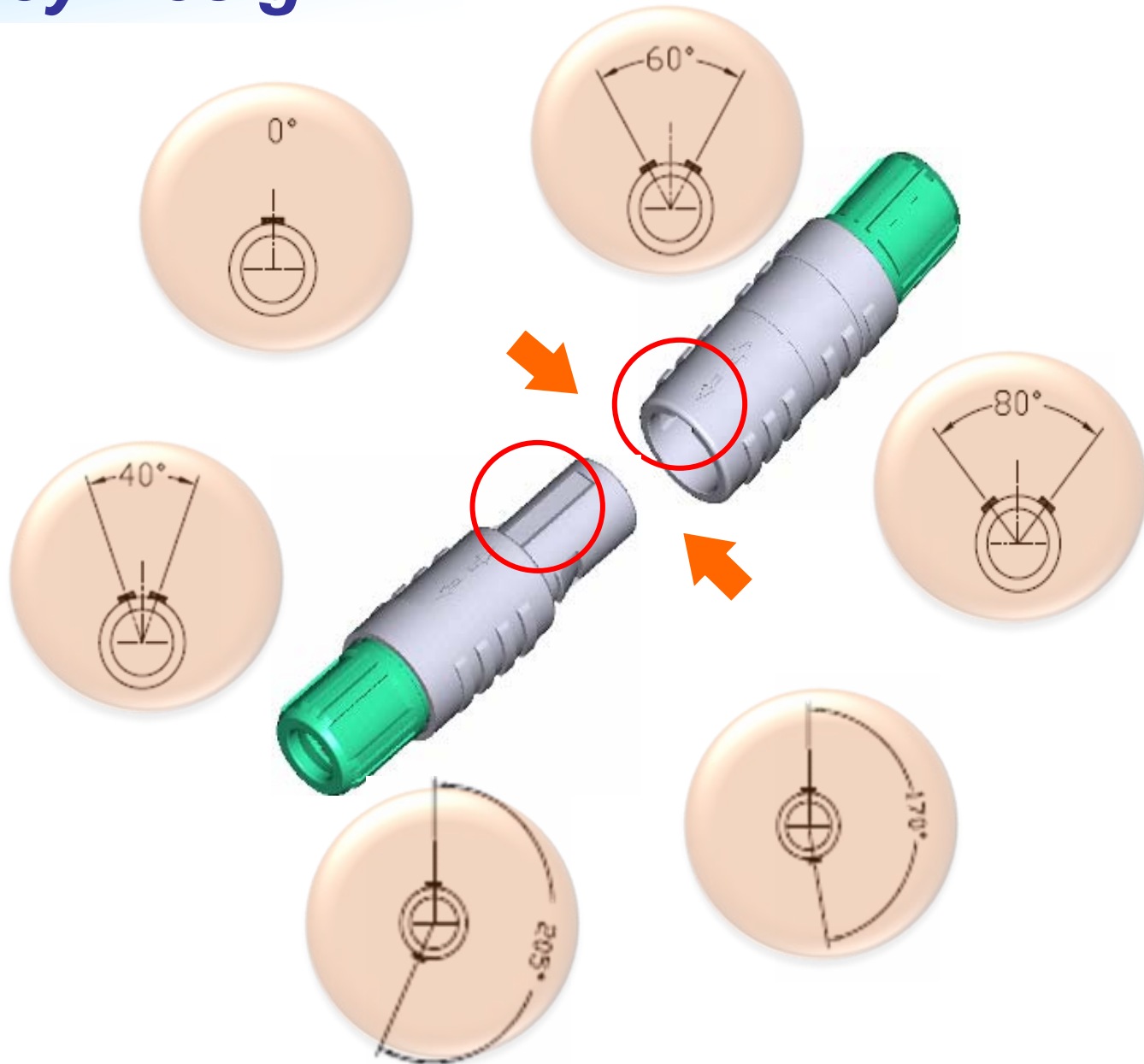
Hex Nut



Finished Product



Key Design



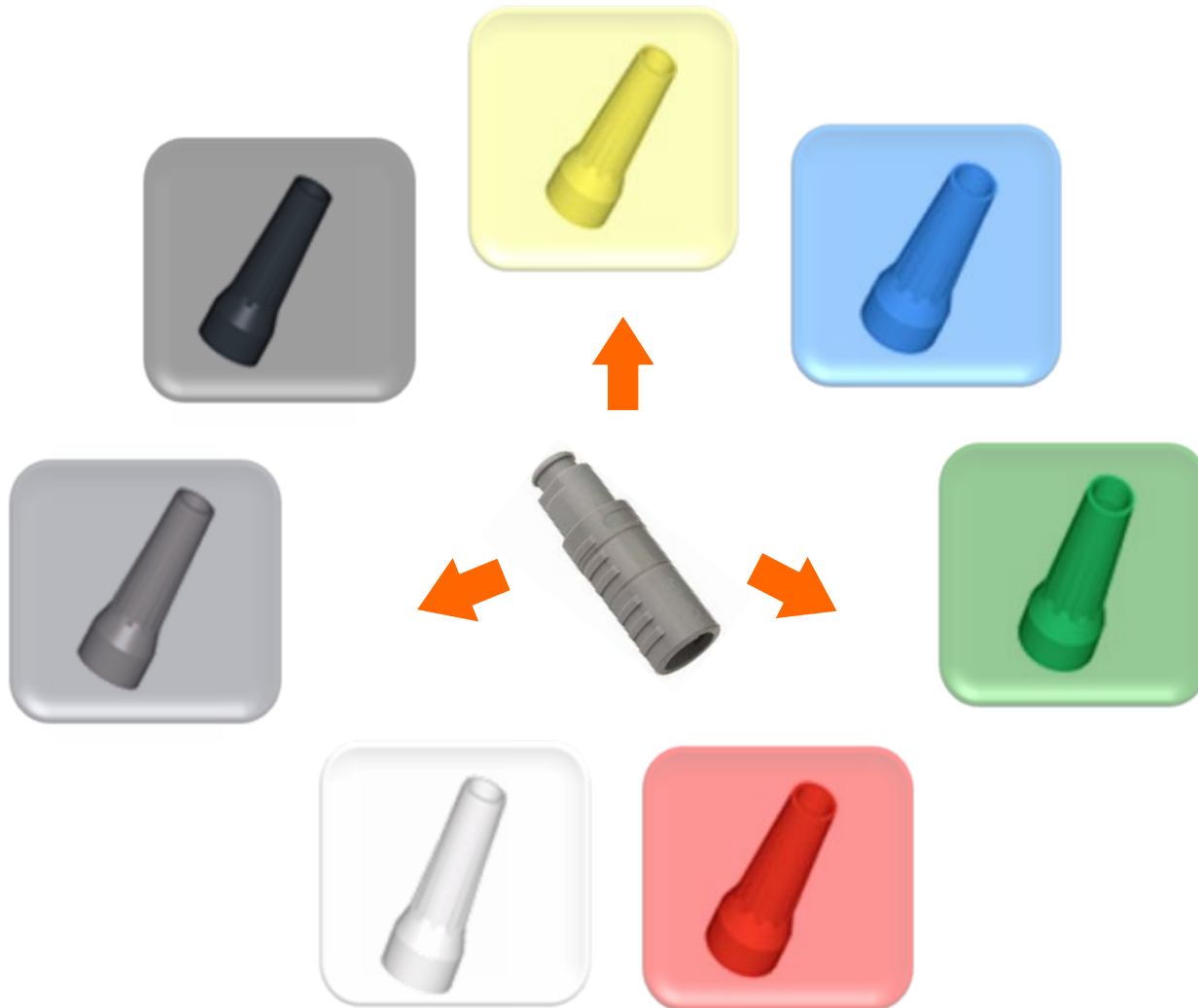
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Color Identification



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Product Specifications-1/2

⊙ Materials:

	Housing	Insert	Color	Terminal	Cable Collect	Gold plating
Medical	PSU	PEEK	Light Brown	Brass	PSU	20u"
Industrial	PC	PA46	Black	Brass	PC	flash

Polyetheretherketone (PEEK) for medical application (-50~120°C)

Polyamide 46 for industrial application (-15~85 °C)

⊙ Mechanical Characteristics

- Operation temperature: -50°C ~+120°C
- Mating Force: 2kg
- Demating Force: 2kg
- Retention Force: 9kg












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Product Specifications-2/2

⦿ Electrical Characteristics

Test voltage (kv rms) acc. IEC60512-2 test 4o	1.2	1.2	1.05	1.05	1.05	1.05	0.85	0.85	0.6
Creepage and clearance(mm) distance acc. IEC60664-1	1.3	1.2	0.8	0.85	0.85	0.6	0.65	0.5	0.5
Trough resistance (mΩ) acc. IEC60512-2 test 2o	<3.5	<4.5	<4.5	<6.5	<6.5	<6.5	<8.5	<8.5	<8.5
Insulation resistance (GΩ) acc. IEC60512-2 test 3o	1000	1000	1000	1000	1000	1000	1000	1000	1000
Max. AWG/mm²	20 0.5	22 0.38	22 0.38	26 0.15	26 0.15	26 0.15	28 0.08	28 0.08	28 0.08
Soder bucketØ(mm)	1.1	0.85	0.85	0.65	0.65	0.65	0.45	0.45	0.45
Contact Ø(mm)	1.3	0.9	0.9	0.7	0.7	0.7	0.5	0.5	0.5
Number of position	2	4	5	6	7	8	9	10	14
Characteristics									

Main Competitors



LEMO



Fischer



ODU



*More information please visit:
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