



Product Catalog

Epilepsy Surgical • Neurosurgical
& Neuromonitoring Devices

WELCOME!

Welcome to Ad-Tech's catalog of products for the surgical treatment of epilepsy and for neurosurgery. We wish to thank you for your support and for choosing Ad-Tech.

PRODUCT REGISTRATIONS

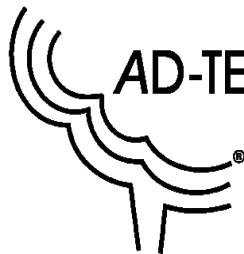
Ad-Tech Medical Instrument Corporation is proud to be an FDA and ISO registered company. Unless otherwise stated, all products within this catalog meet the regulatory requirements of the FDA, the Therapeutic Products Directorate of Canada and the Medical Device Directive of the European Union. Our subdural, depth and sphenoidal electrodes have governmental clearance to be placed in the body for up to 30 days. To determine the regulatory status of Ad-Tech products in any country, or to receive a copy of the applicable indication for use statements, please contact Ad-Tech or your local Ad-Tech distributor.

REFERENCES

Ad-Tech has over 100 medical journal articles that represent the use of our products. Please contact Ad-Tech to receive a reprint. Please note that the authors do not present a commercial description.

MR CONDITIONAL

Ad-Tech tested an assortment of electrodes in a Siemens Trio (actively shielded whole body 3T magnet). In accordance with ASTM F2052-02 Standard Text Method for measurement of Magnetically Induced Displacement Force on Medical Devices in the Magnetic Resonance Environment (2003). For a more complete MR report, contact your Ad-Tech representative.



AD-TECH[®] MEDICAL INSTRUMENT CORPORATION

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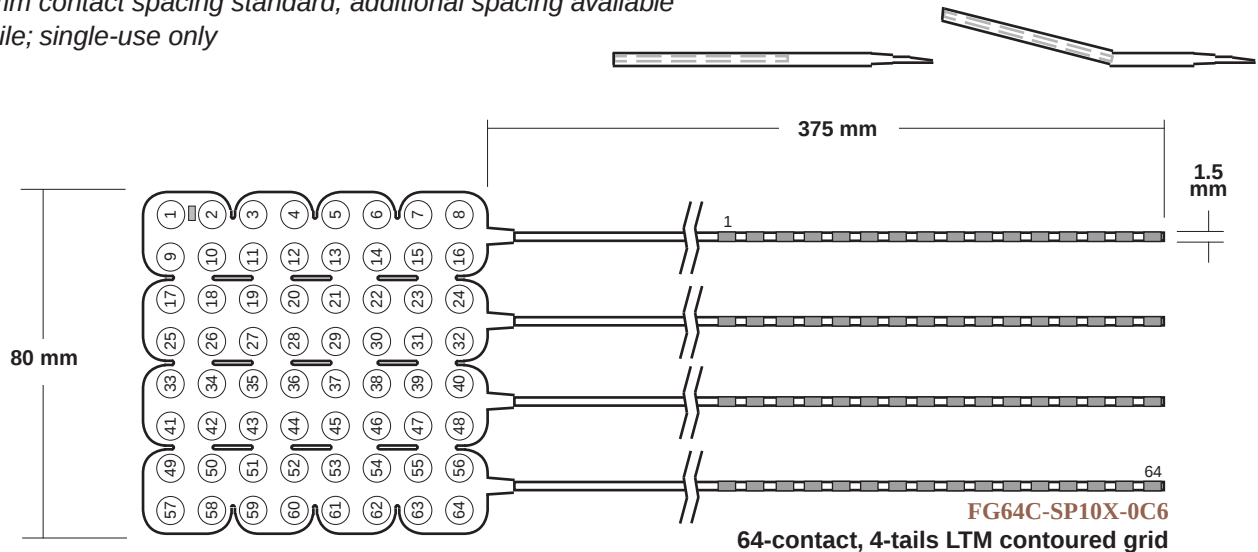
Fax: 262-634-5668

Website: www.adtechmedical.com

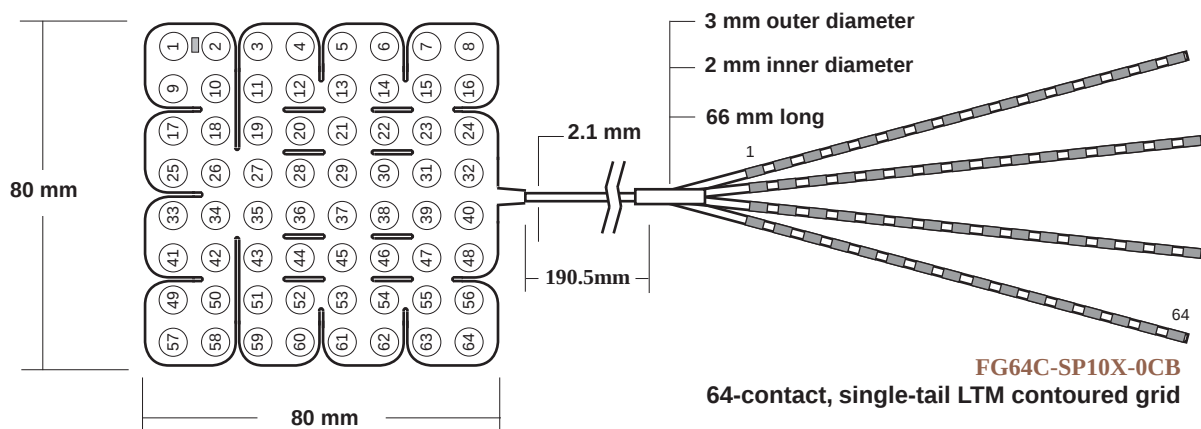
Toll Free: 800-776-1555

AD-TECH® EPILEPSY/LTM CONTOURED SUBDURAL GRID ELECTRODES

- Contoured shape may provide more flexibility to conform to the brain. Contact Ad-Tech to inquire if your favorite electrodes can also be contoured
- Numbered, platinum contacts, 4.0 mm diameter with a 2.3 mm exposure
- May be used with the single-tail passing needles: (see page 26)
- 10 mm contact spacing standard, additional spacing available
- Sterile; single-use only



Electrodes are shown
with the exposed
contact surfaces facing
DOWN.



Catalog Number	Description ¹
FG64C-SP10X-0C6	8 x 8, 4 tails LTM contoured grid
FG64C-SP10X-0CB	8 x 8, single-tail LTM contoured grid

CABRIO® Cable
L-SRL-64BDIN

RoTec™ Cable
L-RTL-64BDIN

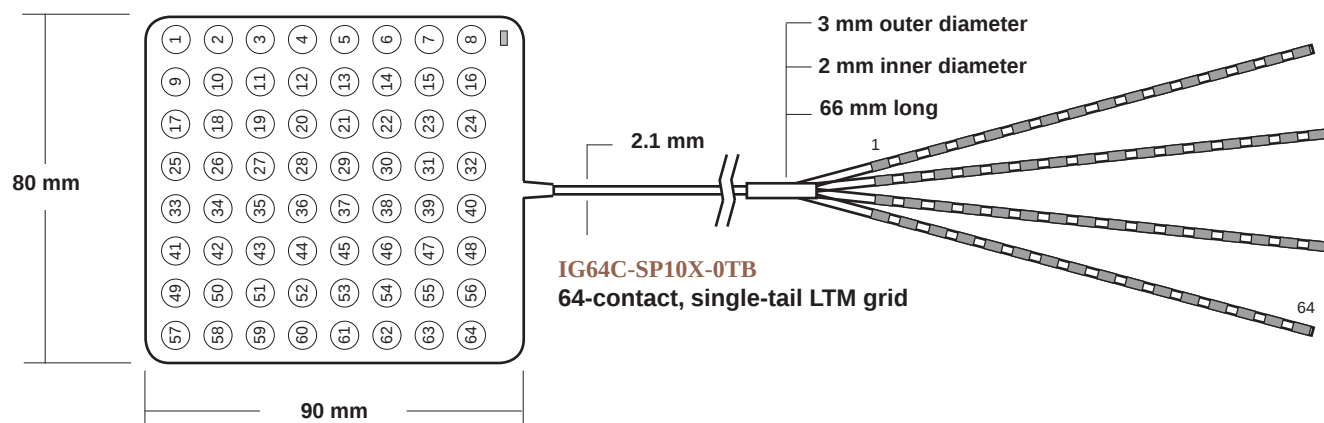
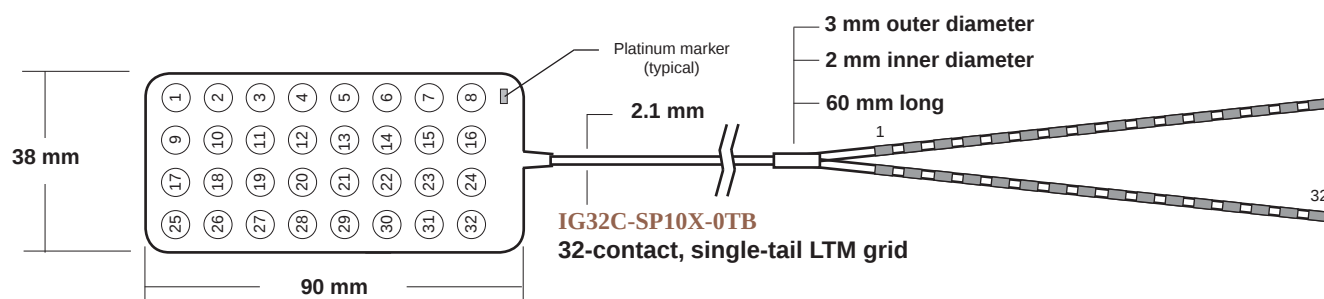
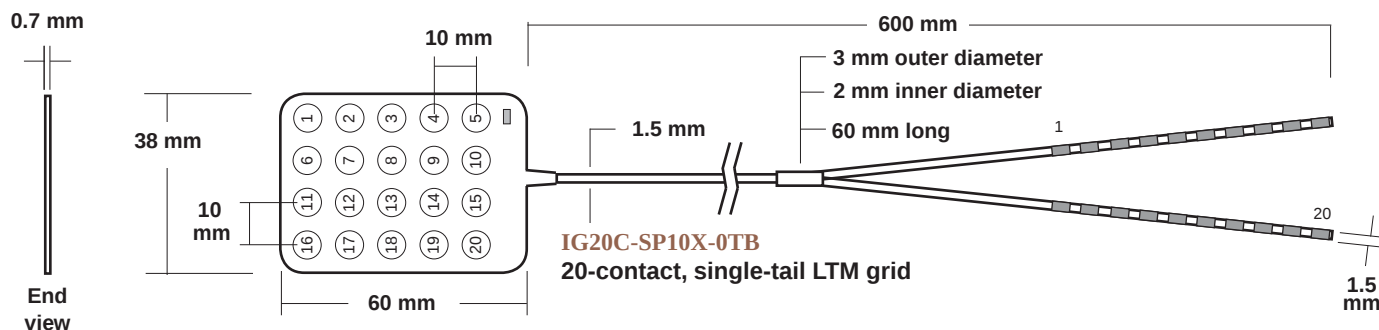
TECH-ATTACH® Cable	Components Block	Qty
L-DCL-64BDIN	DC-16X	(4)

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM SINGLE-TAIL SUBDURAL GRID ELECTRODES

- Tails terminate in standard configurations (uses TECH-ATTACH, CABRIO OR RoTec cables)
- Numbered, platinum contacts 4.0 mm diameter with 2.3 mm exposure
- May be used with the single-tail passing needles: (see page 26)
- Single-tail construction reduces the number of tunnels
- 60 cm tail length
- Sterile; single-use only



Electrodes are shown with the exposed contact surfaces facing DOWN.

Catalog Number

Description¹

IG20C-SP10X-0TB

4 x 5 LTM grid

IG32C-SP10X-0TB

4 x 8 LTM grid

IG64C-SP10X-0TB

8 x 8 LTM grid

CABRIO® Cable

L-SRL-20DIN

L-SRL-32BDIN

L-SRL-64BDIN

RoTec™ Cable

L-RTL-20DIN

L-RTL-32BDIN

L-RTL-64BDIN

TECH-ATTACH® Cable

L-DCL-20DIN

L-DCL-32BDIN

L-DCL-64BDIN

Components Block Qty

DC-10X (2)

DC-16X (2)

DC-16X (4)

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.



Telephone: 262.634.1555

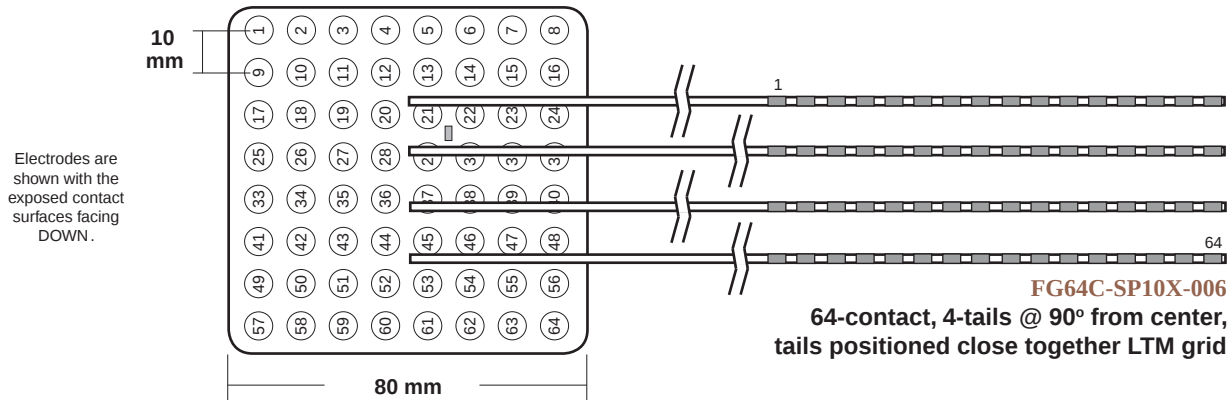
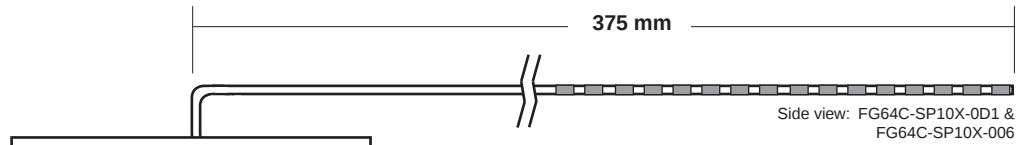
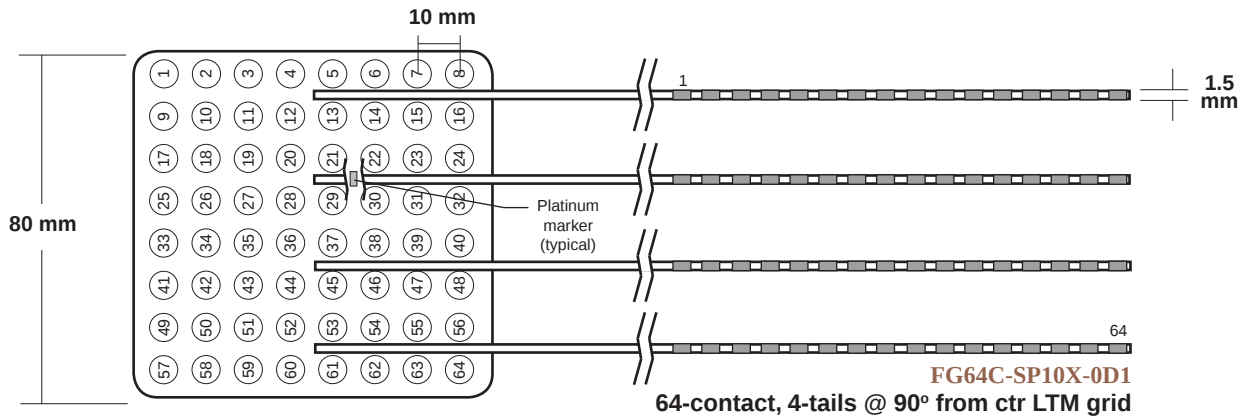
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AD-TECH® EPILEPSY/LTM PERPENDICULAR-TAIL SUBDURAL GRID ELECTRODES

- Perpendicular tail design may allow for a smaller craniotomy
- Numbered, platinum contacts, 4.0 mm contacts with 2.3 mm exposure
- Sterile; single-use only
- Also available, contoured and slit



Catalog Number

FG64C-SP10X-0D1
FG64C-SP10X-006

Description¹

8 x 8, 4-tails, 90°-ctr LTM grid
8 x 8, 4-tails, 90°-ctr LTM grid²

CABRIO® Cable

L-SRL-64BDIN

RoTec™ Cable

L-RTL-64BDIN

TECH-ATTACH® Cable Components

L-DCL-64BDIN DC-16X (4)

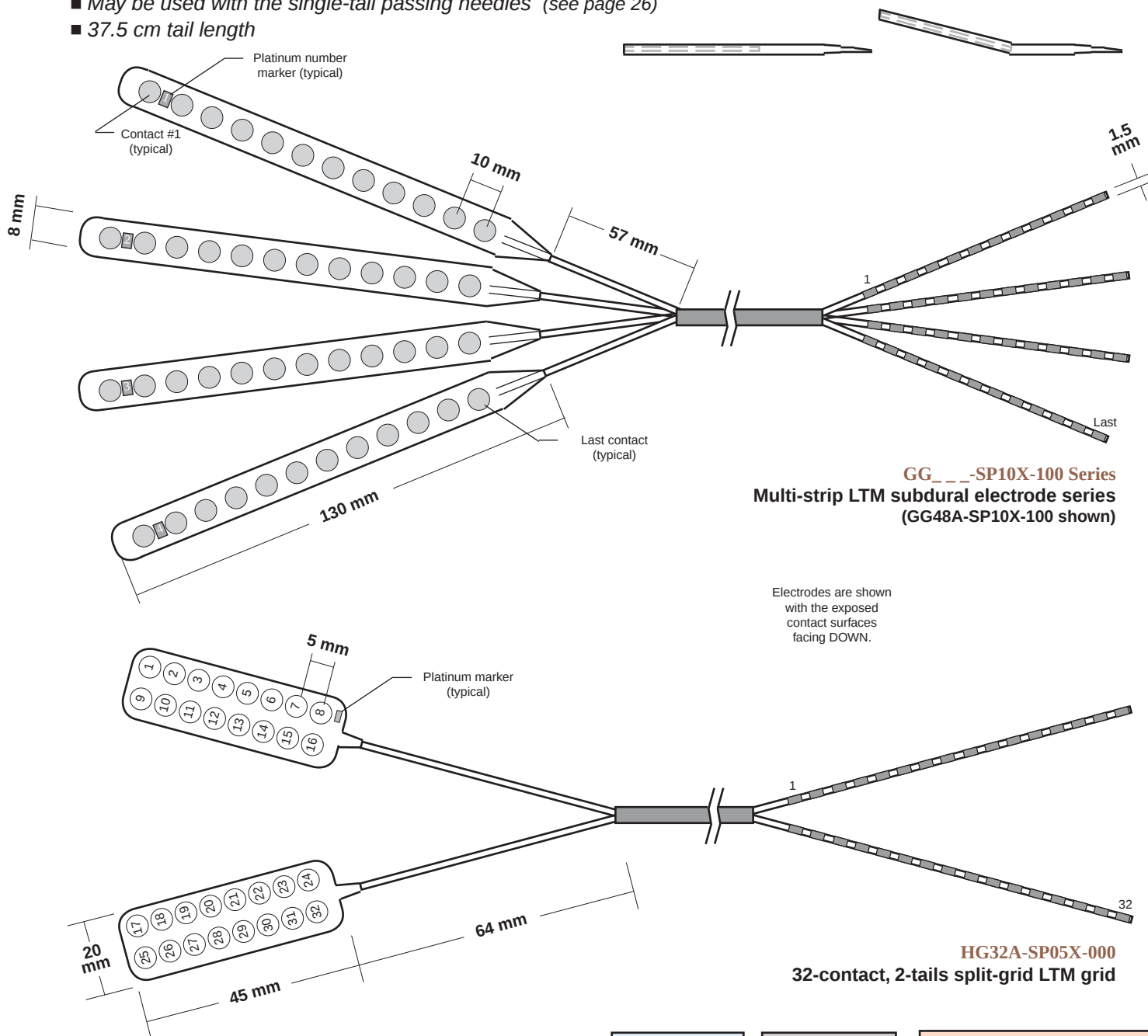
¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

² The tails on this grid are positioned close to its center.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM MULTI-STRIP & SPLIT-GRID SUBDURAL ELECTRODES

- Markers as shown
- Sterile; single use only
- Platinum contacts, 4.0 mm diameter with a 2.3 mm exposure
- Multi-strip and split-grid construction reduces the number of tunnels
- May be used with the single-tail passing needles (see page 26)
- 37.5 cm tail length



Catalog Number	Description ¹	No. of Contacts	Contact Spacing	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block	Qty
GG32A-SP10X-100	4 x 1 x 8, 2-tails	32	10	L-SRL-32BDIN	L-RTL-32BDIN	L-DCL-32BDIN	DC-16X (2)	
GG48A-SP10X-100	4 x 1 x 12, 4-tails	48	10	L-SRL-48DDIN	L-RTL-48DDIN	L-DCL-48DDIN	DC-12X (4)	
HG32A-SP05X-000	2 x 2 x 8, 2-tails	32	5	L-SRL-32BDIN	L-RTL-32BDIN	L-DCL-32BDIN	DC-16X (2)	

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

- Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.
- Please contact your Ad-Tech representative for alternative designs or other special requirements

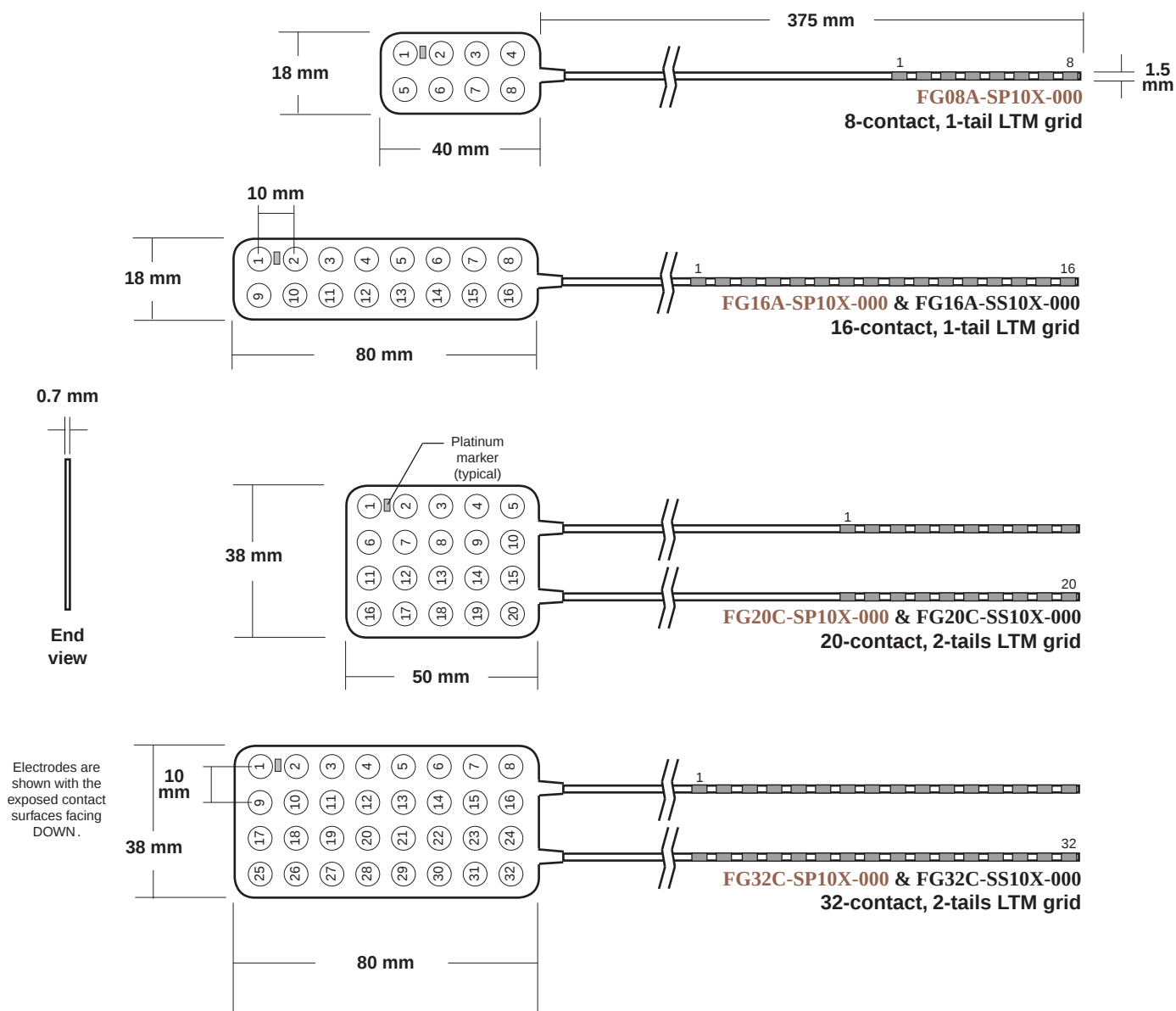


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AD-TECH® EPILEPSY/LONG TERM MONITORING (LTM) SUBDURAL GRID ELECTRODES

- Epilepsy/LTM subdural electrodes are for monitoring/mapping the cortical surface for the surgical treatment of epilepsy
- Numbered, platinum or stainless steel contacts, 4.0 mm diameter with 2.3 mm exposure
- Sterile; single-use only
- Please contact your Ad-Tech representative for alternative designs or other special requirements (ie: 5mm spacing)
- All electrodes can be manufactured contoured and slit upon request

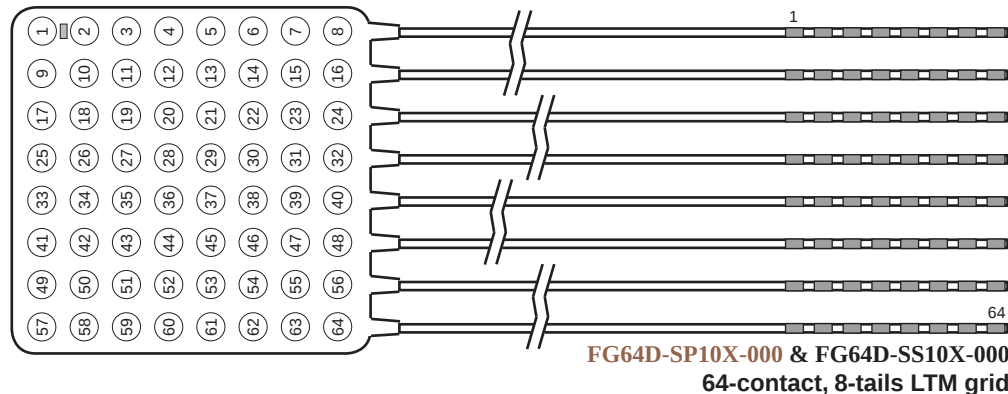
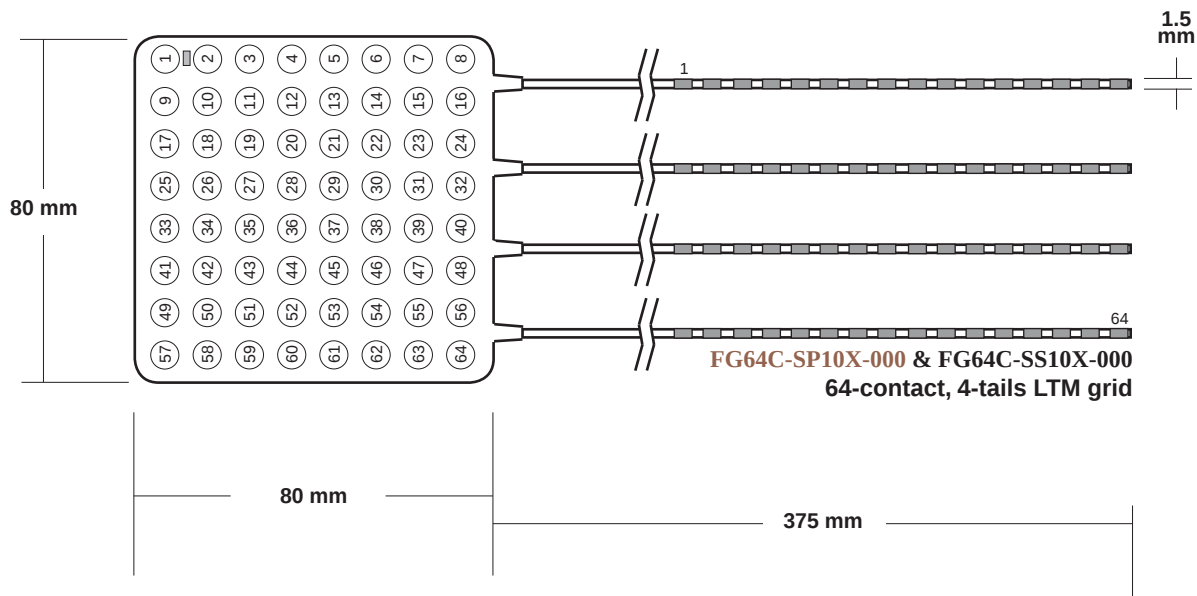
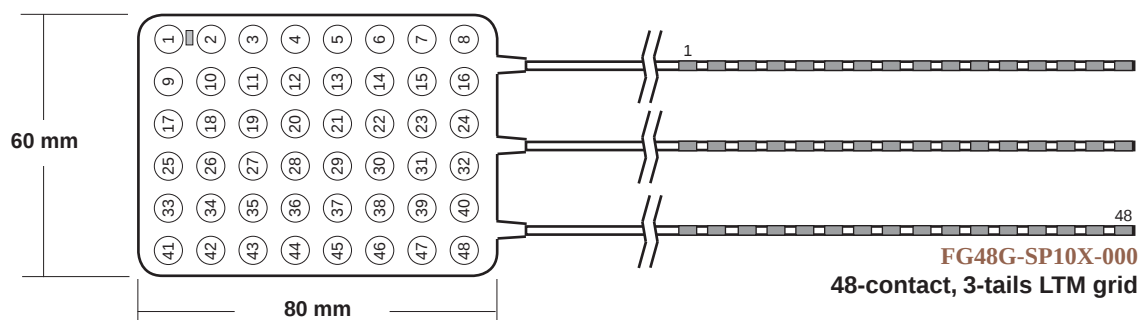


No. of Catalog Number	Contact Description ¹	Contacts	Material	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block Qty
FG08A-SP10X-000	2 x 4, 1-tail LTM grid	8	platinum	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X (1)
FG16A-SP10X-000	2 x 8, 1-tail LTM grid	16	platinum	L-SRL-16BDIN	L-RTL-16BDIN	L-DCL-16BDIN	DC-16X (1)
FG20C-SP10X-000	4 x 5, 2-tails LTM grid	20	platinum	L-SRL-20DIN	L-RTL-20DIN	L-DCL-20DIN	DC-10X (2)
FG32C-SP10X-000	4 x 8, 2-tails LTM grid	32	platinum	L-SRL-32BDIN	L-RTL-32BDIN	L-DCL-32BDIN	DC-16X (2)
FG16A-SS10X-000	2 x 8, 1-tail LTM grid	16	stainless	L-SRL-16BDIN	L-RTL-16BDIN	L-DCL-16BDIN	DC-16X (1)
FG20C-SS10X-000	4 x 5, 2-tails LTM grid	20	stainless	L-SRL-20DIN	L-RTL-20DIN	L-DCL-20DIN	DC-10X (2)
FG32C-SS10X-000	4 x 8, 2-tails LTM grid	32	stainless	L-SRL-32BDIN	L-RTL-32BDIN	L-DCL-32BDIN	DC-16X (2)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LONG TERM MONITORING (LTM) SUBDURAL GRID ELECTRODES



Electrodes are shown with the exposed contact surfaces facing DOWN.

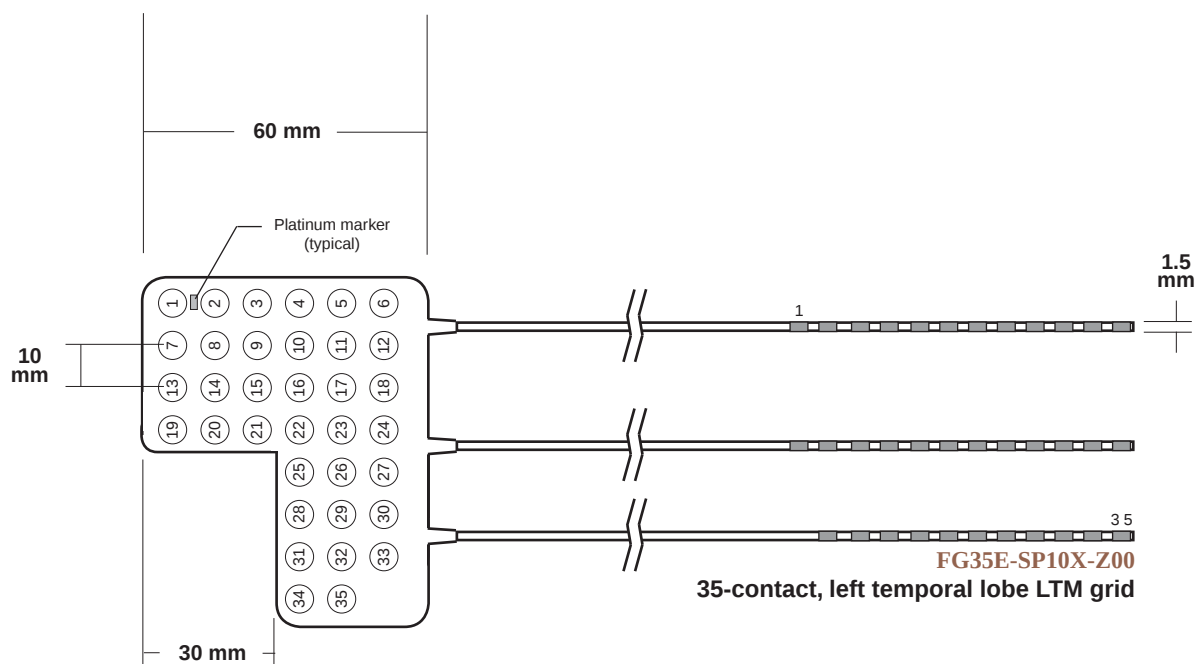
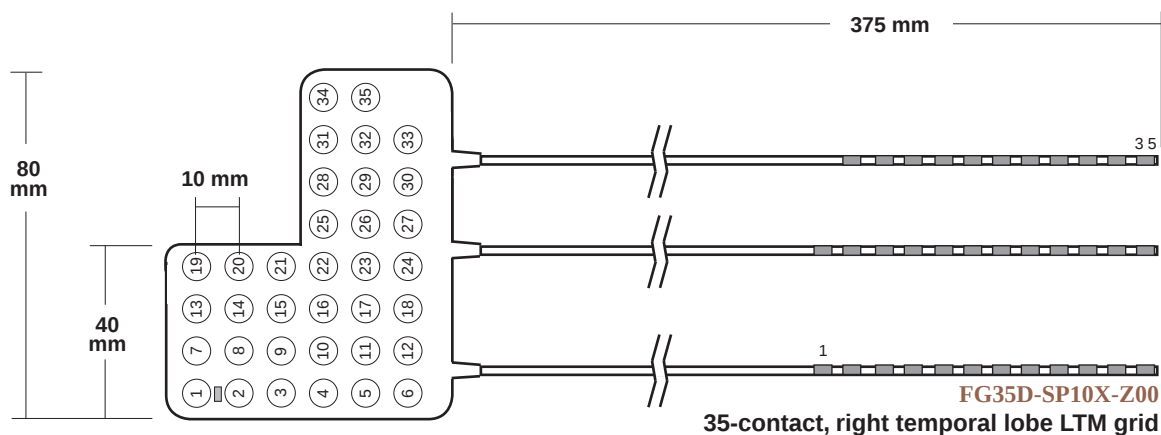
No. of Catalog Number	Contact Description ¹	Contacts	Material	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block Qty
FG48G-SP10X-000	6 x 8, 3-tails LTM grid	48	platinum	L-SRL-48BDIN	L-RTL-48BDIN	L-DCL-48BDIN	DC-16X (3)
FG64C-SP10X-000	8 x 8, 4-tails LTM grid	64	platinum	L-SRL-64BDIN	L-RTL-64BDIN	L-DCL-64BDIN	DC-16X (4)
FG64D-SP10X-000	8 x 8, 8-tails LTM grid	64	platinum	L-SRL-64DIN	L-RTL-64DIN	L-DCL-64DIN	DC-8X (8)
FG64C-SS10X-000	8 x 8, 4-tails LTM grid	64	stainless	L-SRL-64BDIN	L-RTL-64BDIN	L-DCL-64BDIN	DC-16X (4)
FG64D-SS10X-000	8 x 8, 8-tails LTM grid	64	stainless	L-SRL-64DIN	L-RTL-64DIN	L-DCL-64DIN	DC-16X (8)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM TEMPORAL LOBE SUBDURAL GRID ELECTRODES

- Right and left electrodes are designed for the temporal and sub-temporal cortex
- Numbered, platinum contacts, 4.0 mm diameter with 2.3 mm exposure
- Sterile; single-use only



Electrodes are shown with the exposed contact surfaces facing DOWN.

Catalog Number

FG35D-SP10X-Z00

FG35E-SP10X-Z00

Description¹

Right temporal lobe LTM grid

Left temporal lobe LTM grid

CABRIO® Cable

L-SRL-35DIN

RoTec™ Cable

L-RTL-35DIN

TECH-ATTACH® Cable

L-DCL-35DIN

Components

Block Qty

DC-11X (1)

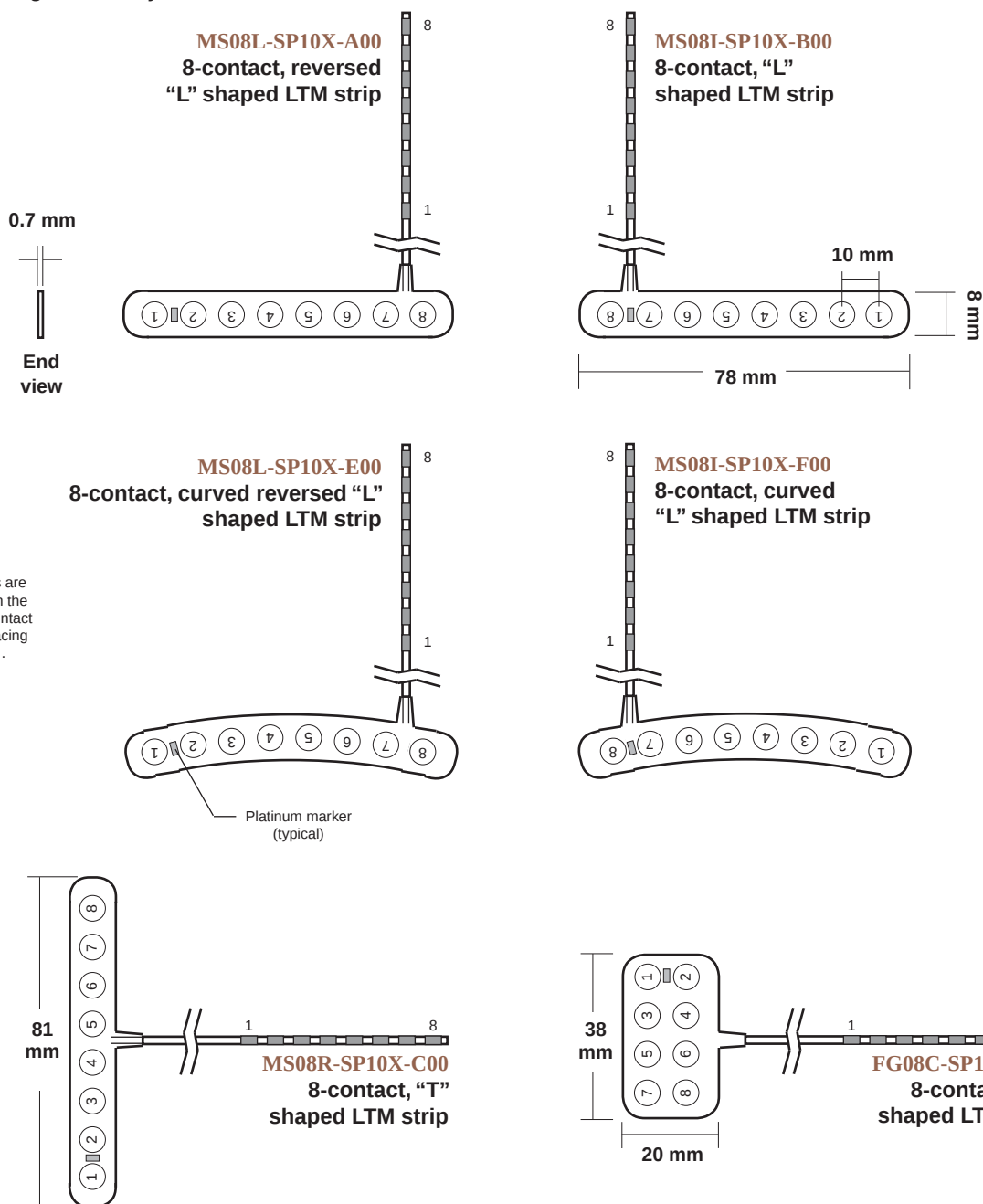
DC-12X (2)

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM “L” & “T” SHAPED SUBDURAL STRIP & GRID ELECTRODES

- Numbered, platinum contacts with platinum markers as shown, 4.0 mm diameter with a 2.3 mm exposure
- “L” and “T” shapes offer you different tail-exit options
- 37.5 cm tail length
- Sterile; single-use only



Catalog Number

MS08L-SP10X-A00
MS08I-SP10X-B00
MS08L-SP10X-E00
MS08I-SP10X-F00
MS08R-SP10X-C00
FG08C-SP10X-000

Description¹

Reversed “L” shaped LTM strip
“L” shaped LTM strip
Curved, reversed “L” LTM strip
Curved “L” shaped LTM strip
“T” shaped LTM strip
“T” shaped LTM grid

CABRIO®
Cable
L-SRL-8DIN

RoTec™
Cable
L-RTL-8DIN

TECH-ATTACH® Components
Cable Block Qty
L-DCL-8DIN DC-8X (1)

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

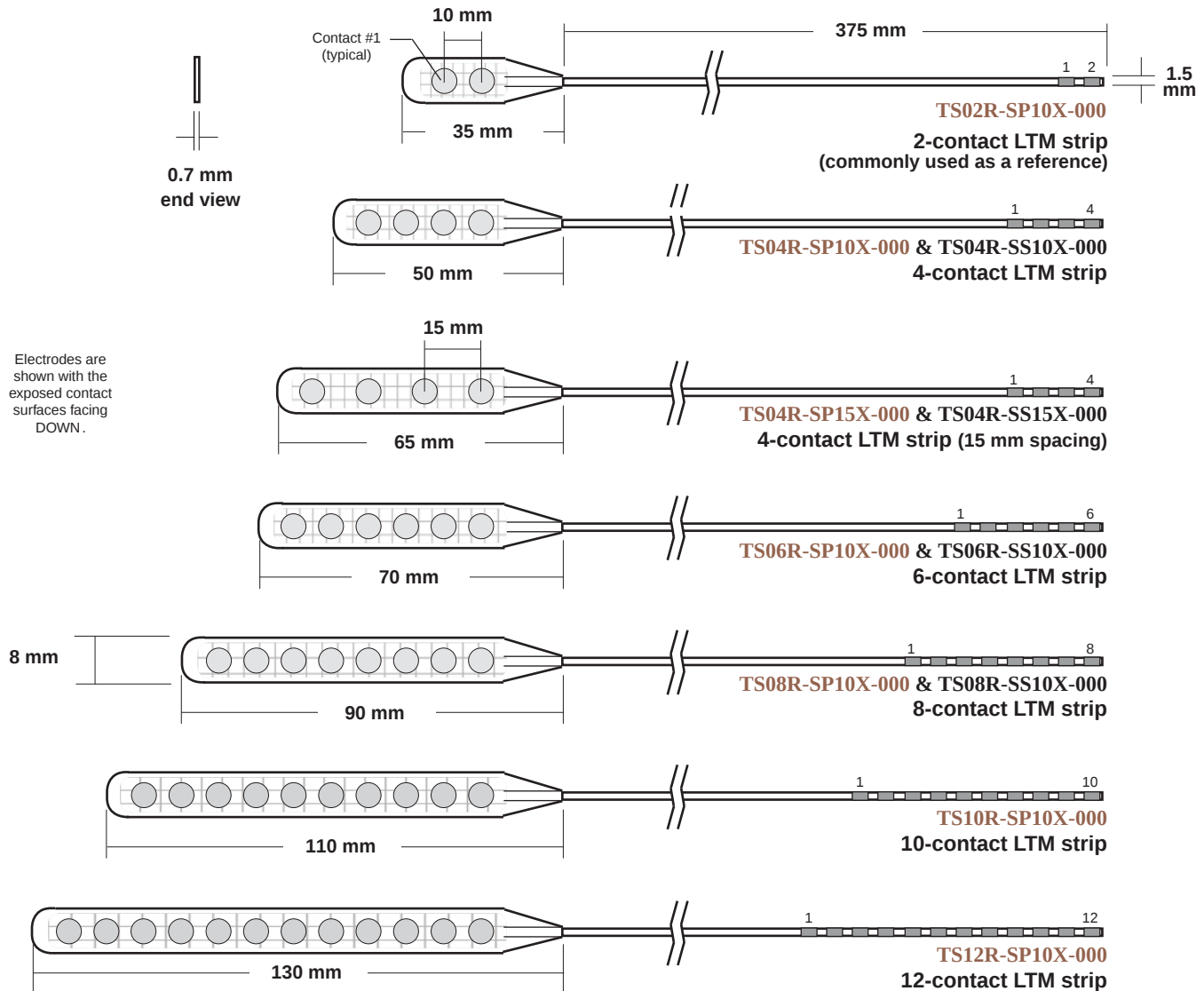


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AD-TECH® EPILEPSY/LONG TERM MONITORING SUBDURAL STRIP ELECTRODES

- 8 mm width ■ Thin and flexible ■ Sterile; single-use only
- Platinum or stainless steel contacts, 4.0 mm diameter with a 2.3 mm exposure
- Non-numbered with reinforcement, designed for long-term monitoring applications



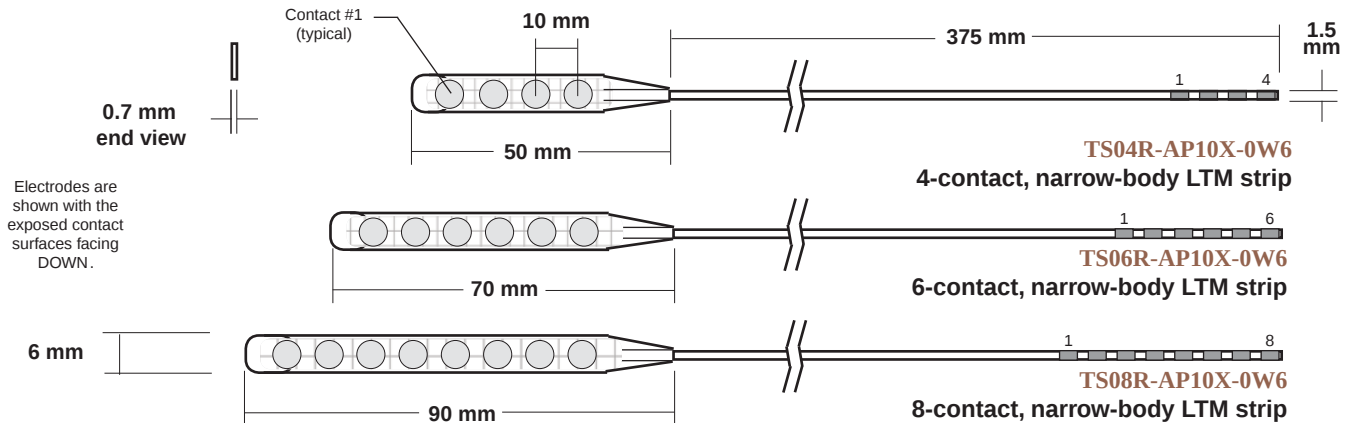
Catalog Number	Description ¹	Contact Material	Contact Spacing	CABRIO® Cable	RoTec® Cable	TECH-ATTACH® Cable	Components Block Qty
TS02R-SP10X-000	1 x 2 LTM strip	platinum	10	L-SRL-2DIN	L-RTL-2DIN	L-DCL-2DIN	DC-2X (1)
TS04R-SP10X-000	1 x 4 LTM strip	platinum	10	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
TS04R-SP15X-000	1 x 4 LTM strip	platinum	15	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
TS06R-SP10X-000	1 x 6 LTM strip	platinum	10	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X (1)
TS08R-SP10X-000	1 x 8 LTM strip	platinum	10	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X (1)
TS10R-SP10X-000	1 x 10 LTM strip	platinum	10	L-SRL-10DIN	L-RTL-10DIN	L-DCL-10DIN	DC-10X (1)
TS12R-SP10X-000	1 x 12 LTM strip	platinum	10	L-SRL-12BDIN	L-RTL-12BDIN	L-DCL-12BDIN	DC-12X (1)
TS04R-SS10X-000	1 x 4 LTM strip	stainless	10	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
TS04R-SS15X-000	1 x 4 LTM strip	stainless	15	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
TS06R-SS10X-000	1 x 6 LTM strip	stainless	10	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X (1)
TS08R-SS10X-000	1 x 8 LTM strip	stainless	10	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X (1)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM NARROW-BODY SUBDURAL STRIP ELECTRODES

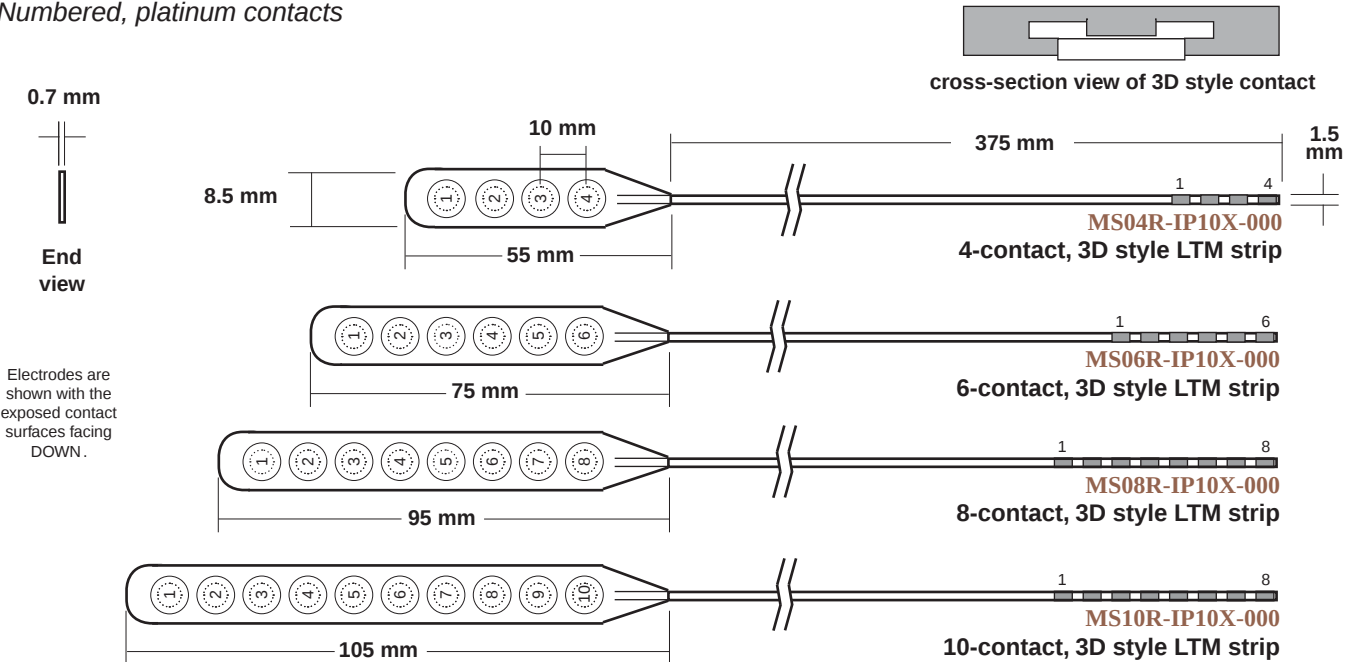
- 4.0 mm contact diameter with reduced contact exposure (1.8 mm), may aid during electrode removal
- Non-numbered with reinforcement, designed for long-term monitoring applications
- Platinum contacts ■ Thin and flexible ■ Sterile; single-use only ■ 6 mm width



Catalog Number	Description ¹	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block	Qty
TS04R-AP10X-0W6	1 x 4 narrow-body strip	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X	(1)
TS06R-AP10X-0W6	1 x 6 narrow-body strip	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X	(1)
TS08R-AP10X-0W6	1 x 8 narrow-body strip	L-SRL-8DIN	L-RTL-6DIN	L-DCL-8DIN	DC-8X	(1)

AD-TECH® EPILEPSY/LTM 3D STYLE SUBDURAL STRIP ELECTRODES

- Large, indented 6.0 mm diameter contacts with 4.0 mm diameter exposed recording area
- Numbered, platinum contacts



Catalog Number	Description ¹	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block	Qty
MS04R-IP10X-000	1 x 4 large, 3D style strip	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X	(1)
MS06R-IP10X-000	1 x 6 large, 3D style strip	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X	(1)
MS08R-IP10X-000	1 x 8 large, 3D style strip	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X	(1)
MS10R-IP10X-000	1 x 10 large, 3D style strip	L-SRL-10DIN	L-RTL-10DIN	L-DCL-10DIN	DC-10X	(1)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

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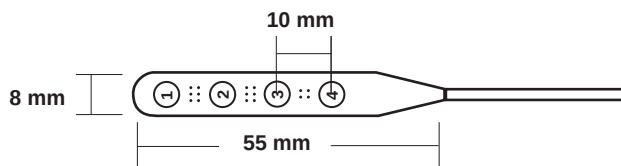


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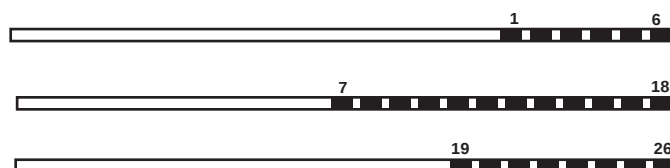
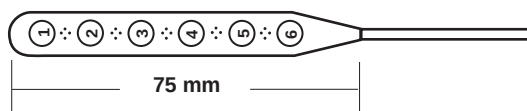
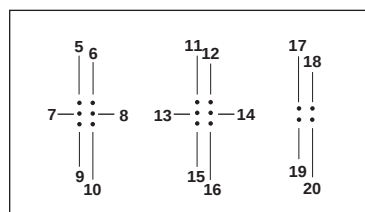
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AD-TECH® MACRO/MICRO STRIP ELECTRODES

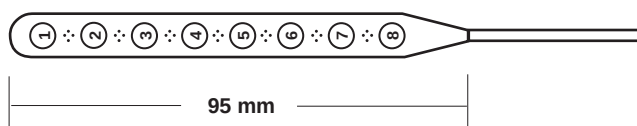
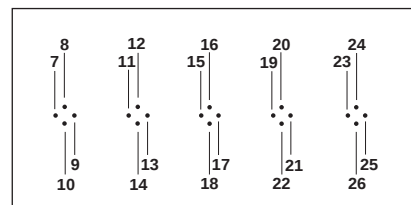
- Manufactured with 50 or 38 Micron Platinum irridium wire
- 4.0mm contact diameter
- Numbered Platinum contacts ■ Thin and flexible ■ Sterile; single-use only ■ 8 mm width
- Contact your Ad-Tech Representative for alternative designs or other special requirements
- Used with single tail passing needles
- 37.5 cm tail length



QG20C-SP10X-000
20-contact, macro-micro strip



QG26A-SP10X-000
26-contact, macro-micro strip



QG36B-SP10X-000
36-contact, macro-micro strip

Catalog Number¹

QG20C-SP10X-000	20 contact macro-micro strip, 4 macro, 16 micro
QG26A-SP10X-000	26 contact macro-micro strip, 6 macro, 20 micro
QG36B-SP10X-000	36 contact macro-micro strip, 8 macro, 28 micro

Description

Macro Tail Cables²

L-SRL-4DIN, L-RTL-4DIN or L-DCL-4DIN
L-SRL-6DIN, L-RTL-6DIN or L-DCL-6DIN
L-SRL-8DIN, L-RTL-8DIN or L-DCL-8DIN

Many cable options are available for the micro recording tails. Contact your Ad-Tech representative to discuss these options.

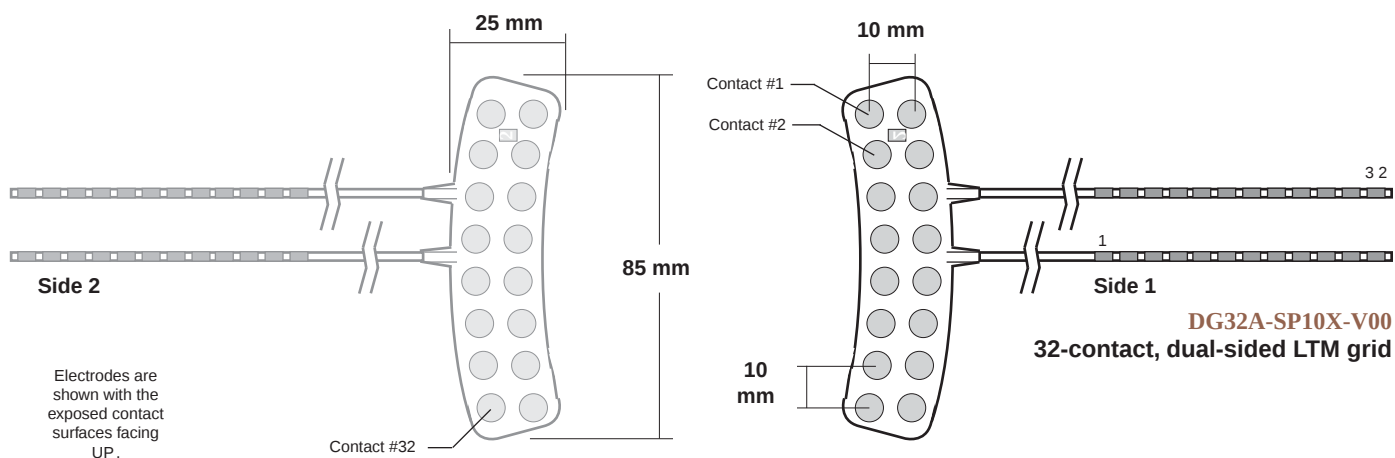
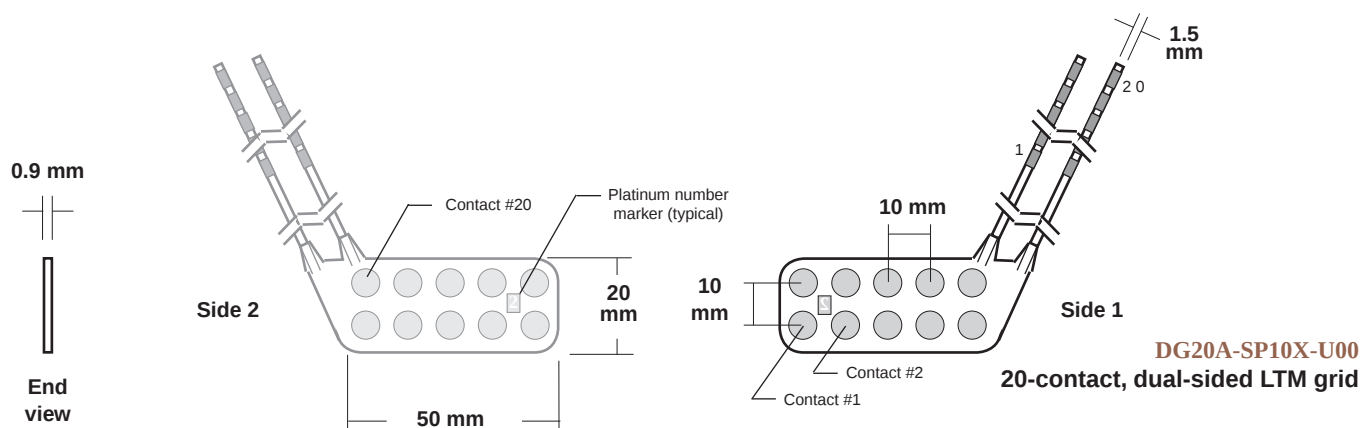
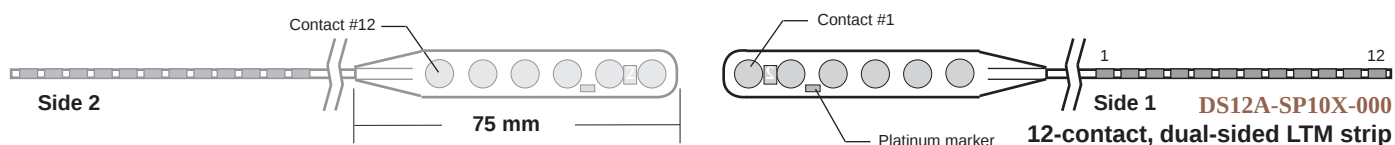
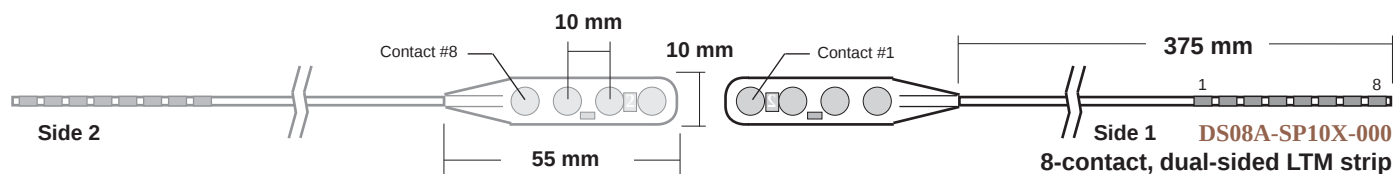
■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

1 - 38.1 Micron

2 - Tech-Attach cables require appropriate connector block

AD-TECH® EPILEPSY/LTM DUAL-SIDED INTERHEMISPHERIC SUBDURAL ELECTRODES

- Mirror-imaged contacts on both sides of the electrode
- Platinum & number markers as shown
- Sterile; single-use only
- Platinum contacts, 4.0 mm diameter with a 2.3 mm exposure



Catalog Number	Description ¹
DS08A-SP10X-000	1 x 4 dual
DS12A-SP10X-000	1 x 6 dual
DG20A-SP10X-U00	2 x 5 angled, dual
DG32A-SP10X-V00	2 x 8 curved, dual

CABRIO® Cable
L-SRL-8DIN
L-SRL-12BDIN
L-SRL-20DIN
L-SRL-32BDIN

RoTec™ Cable
L-RTL-8DIN
L-RTL-12BDIN
L-RTL-20DIN
L-RTL-32BDIN

TECH-ATTACH® Cable	Components Block	Qty
L-DCL-8DIN	DC-8X	(1)
L-DCL-12BDIN	DC-12X	(1)
L-DCL-20DIN	DC-10X	(2)
L-DCL-32BDIN	DC-16X	(2)

¹ Each electrode requires either the CABRIO, RoTec, or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

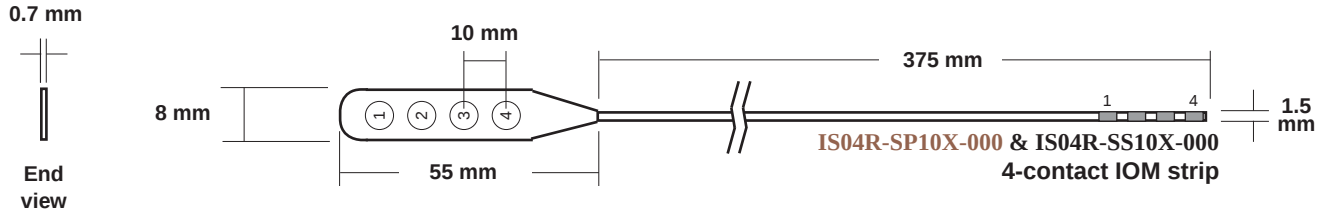


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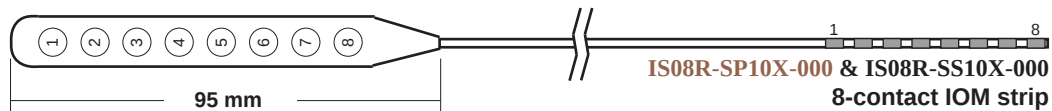
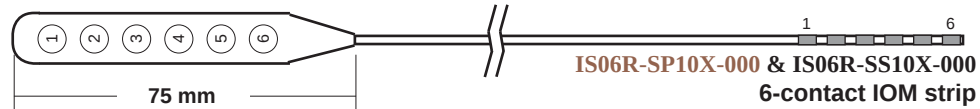
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AD-TECH® INTRAOPERATIVE MONITORING (IOM) SUBDURAL STRIP ELECTRODES

- Intraoperative monitoring electrodes feature numbered contacts, greater visibility of the recording surface and greater flexibility of the electrode contact area
- Platinum or stainless steel numbered contacts, 4.0 mm diameter with a 2.3 mm exposure
- Sterile; single-use only



Electrodes are shown with the exposed contact surfaces facing DOWN.



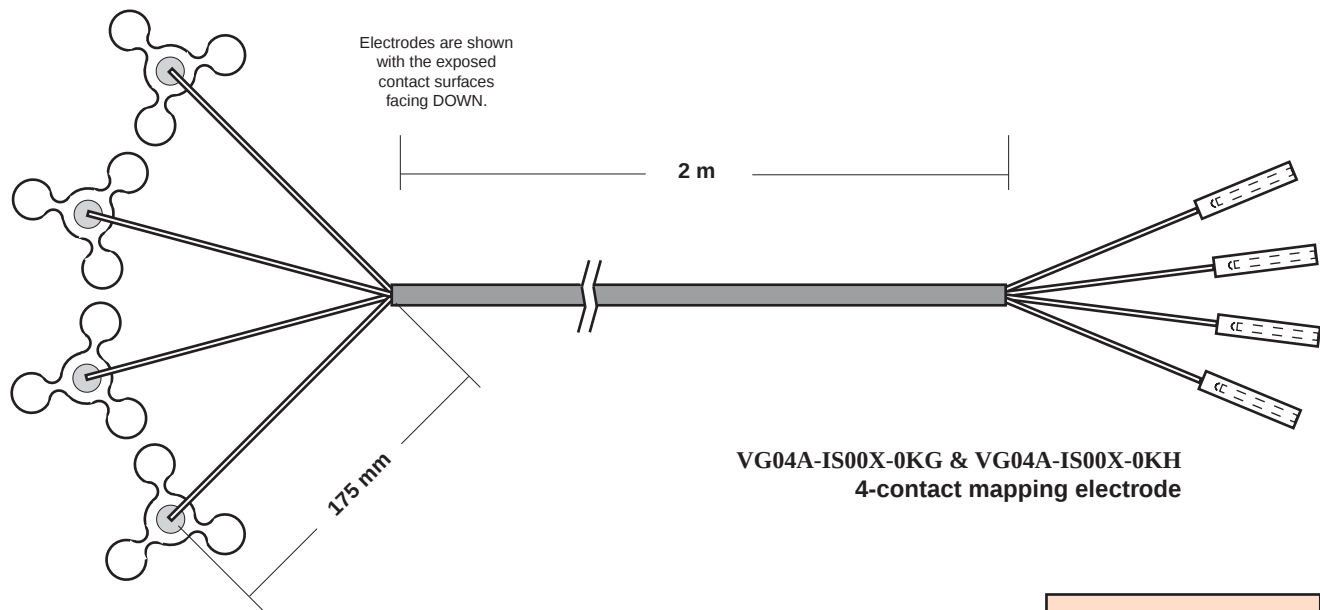
Catalog Number	Description ¹	Contact Material	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block	Qty
IS04R-SP10X-000	1 x 4 IOM strip	platinum	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X	(1)
IS06R-SP10X-000	1 x 6 IOM strip	platinum	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X	(1)
IS08R-SP10X-000	1 x 8 IOM strip	platinum	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X	(1)
IS04R-SS10X-000	1 x 4 IOM strip	stainless	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X	(1)
IS06R-SS10X-000	1 x 6 IOM strip	stainless	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X	(1)
IS08R-SS10X-000	1 x 8 IOM strip	stainless	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X	(1)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® INTRAOPERATIVE MAPPING ELECTRODE SYSTEM

- The intraoperative mapping electrode system provides an alternative design for intraoperative monitoring
- Clover-leaf electrode shape stabilizes the electrode contact on the brain
- Stainless steel numbered contacts, 6.0 mm diameter with 4.0 mm exposure, 3D style
- Sterile; single-use only



Catalog Number	Description
VG04A-IS00X-0KG	4-contact mapping electrode, numbered 1 - 4
VG04A-IS00X-0KH	4-contact mapping electrode, numbered 5 - 8

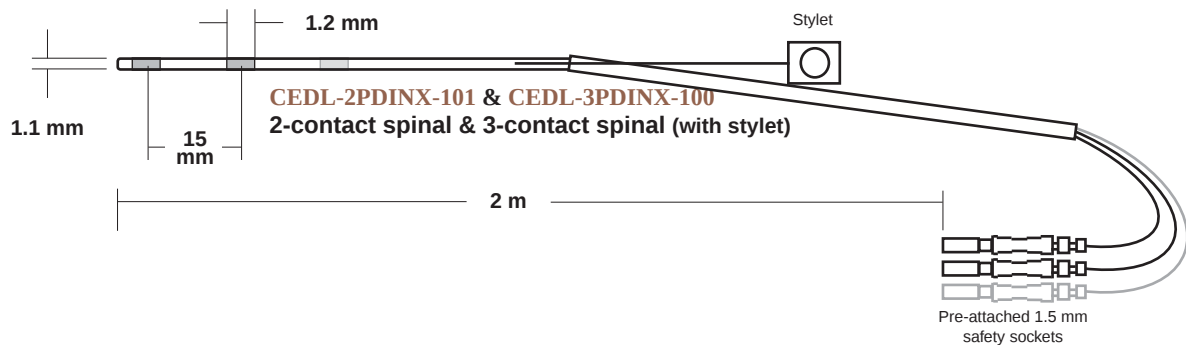
Connection Method¹

1.5 mm safety socket

- VG-series electrodes do not require any additional cabling to interface with standard EP monitoring equipment.
- Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPIDURAL SPINAL ELECTRODES

- For intraoperative monitoring of evoked potential (EPs) of the descending pathway during spinal surgery
- 2 or 3 platinum contacts
- Sterile; single-use only
- 16 gauge tuohy needle 0.044 inch/1.1176 mm in diameter
- CEDL-Series electrodes do not require any additional cabling, 1.5 mm safety sockets attached
- Attached 2 meter cable



Catalog Number	Block	Placement Qty
¹ CEDL-2PDINX-101	2-contact spinal electrode w/ pre-attached lead	16 ga. Tuohy Needle + stylet
CEDL-3PDINX-100	3-contact spinal electrode w/ pre-attached lead	16 ga. Tuohy Needle + stylet

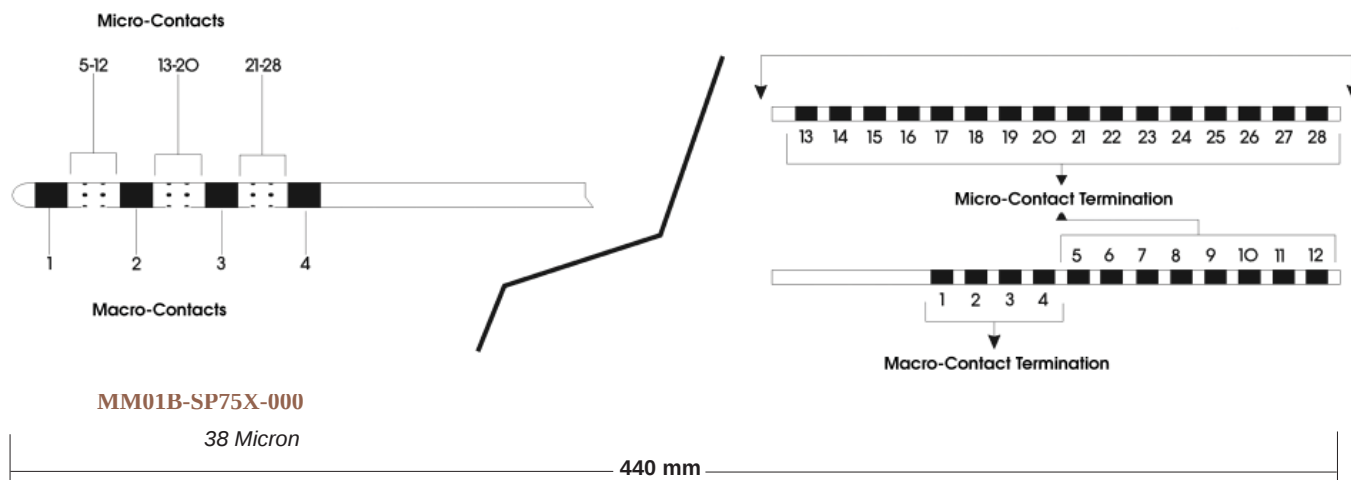
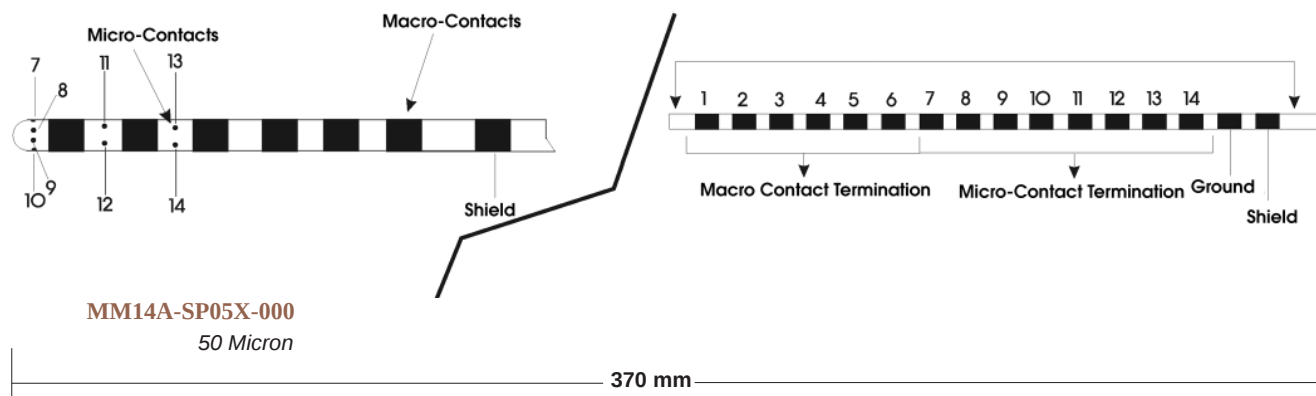
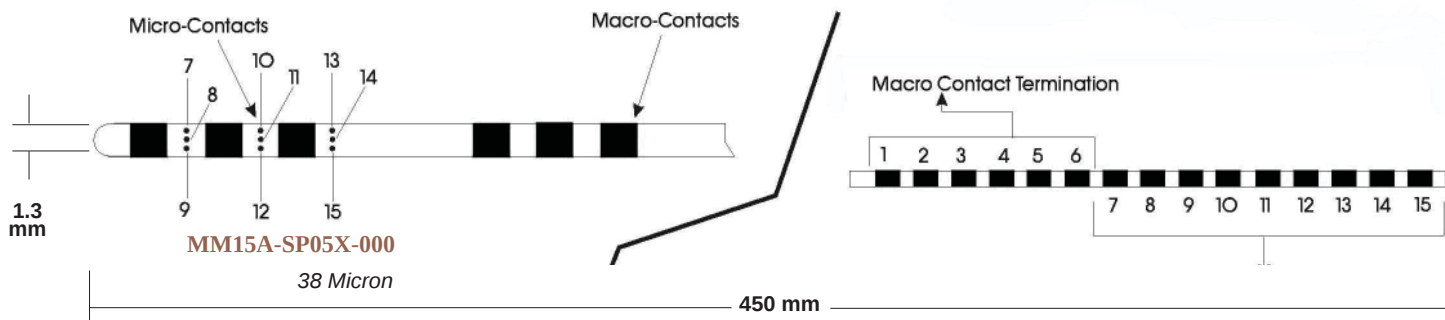
Connection Method¹

1.5 mm safety socket

¹20 dots 10 mm apart beginning 10 mm from #2 center. 100 mm mark should be a ring

AD-TECH® EPILEPSY/LTM MACRO-MICRO DEPTH ELECTRODES

- For simultaneous macro and micro recordings of the deep brain structures.
- Sterile; single-use only
- Platinum contacts



Catalog Number	Description	No. of Macro Contacts	No. of Micro Contacts
MM15A-SP05X-000	Kawasaki Macro-Micro Amygdala	6	9
MM14A-SP05X-000	14 contact Macro-Micro depth	6	8
MM01B-SP75X-000	28 contact Macro-Micro depth	4	24

Many cable options are available for the micro recording tails. Contact your Ad-Tech representative to discuss these options.

- Contact your Ad-Tech rep for product details, alternative designs, and connection information.
- Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

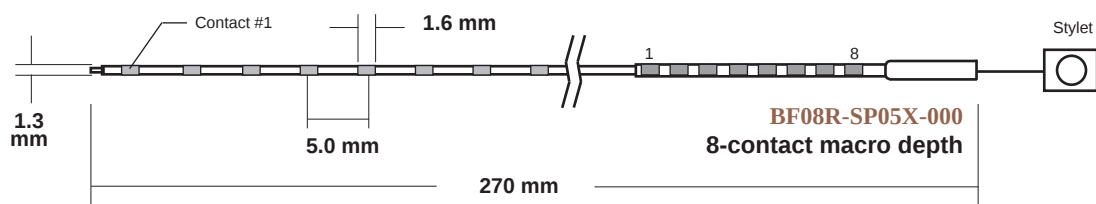


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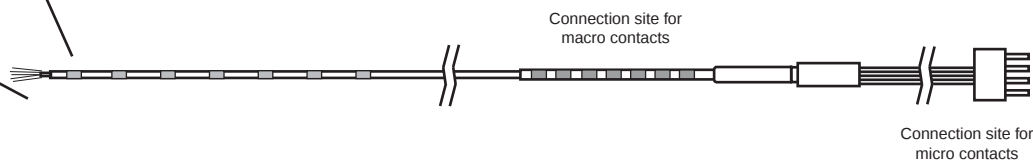
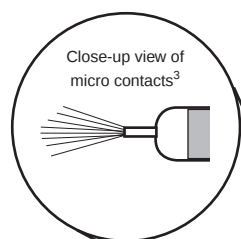
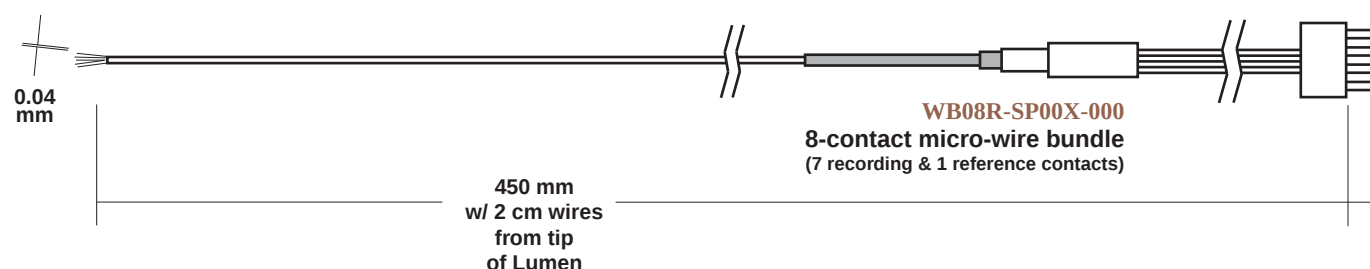
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AD-TECH® EPILEPSY/LTM BEHNKE FRIED DEPTH ELECTRODES

- For simultaneous macro and micro contact recordings
- 8-contact macro recording outer body with 8-contact micro recording inner wire bundle
- Platinum contacts
- Sterile; single-use only



38 Micron



Macro-Micro Electrode Shown Assembled

Catalog Number	Description ¹	Contact Size ²	Contact Spacing	TECH-ATTACH® Components	
BF08R-SP05X-000	8-contact macro-depth	1.6/1.3	5.0 mm	Cable	Block
WB08R-SP00X-000	8-contact micro-depth (7 recording & 1 reference)	0.04 dia.	N/A	L-DCL-8DIN	included
				CLW-8DIN-26 ⁴	

¹ Each electrode requires the TECH-ATTACH or wire bundle cable as indicated. A special, slotted connector block that connects the macro contacts to the TECH-ATTACH cable is included with each BF-series electrode.

² Overall length of the contact followed by its diameter (mm).

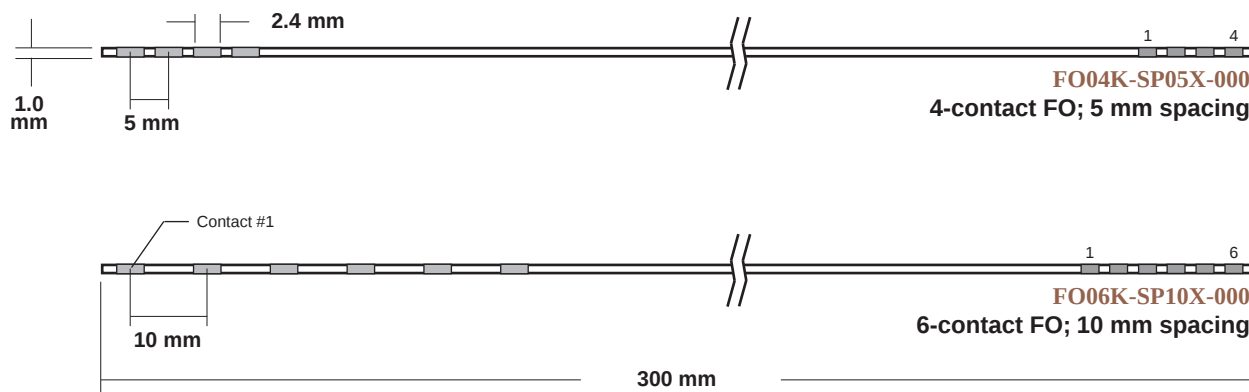
³ Micro wires extend 2 cm past the tip; trim to desired length prior to use.

⁴ Cable is 6 feet long and terminates in 1.5 mm safety socket.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM FORAMEN OVALE ELECTRODES

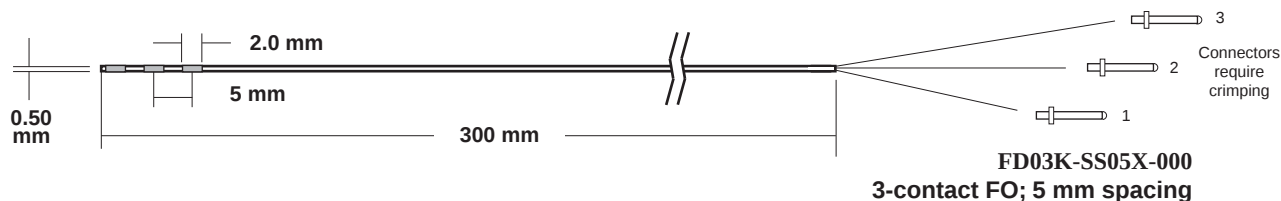
- For lateralizing/localizing the epileptic foci for the surgical treatment of epilepsy
- One-piece body construction
- 1.0 mm body diameter
- Sterile; single-use only
- Includes two 17 gauge (0.04 inch/1.016 mm) needles for placement
- Uses FO-style TECH-ATTACH connection systems
- 2.4 mm long, platinum contacts



Catalog Number	Description ¹
FO04K-SP05X-000	4-contact FO set
FO06K-SP10X-000	6-contact FO set

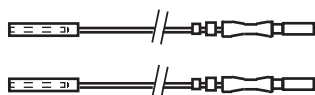
TECH-ATTACH® Components	
Cable	Block
FO-LDC-4DIN	included
FO-LDC-6DIN	included

- Stainless steel contacts
- 0.50 mm body diameter
- 2.0 mm long contacts
- Requires crimping of pins to electrode wire after placement
- Sterile; single-use only
- Each set requires leadwire set



Catalog Number	Description ¹	Connectors	
		Cable	Crimper
FD03K-SS05X-000	3-contact FO set, with 5mm contact spacing and introducing needles	L-3-FODIN	712-N
712-N	Crimping tool. Used with all sphenoidal electrode kit or sets and/or with all foramen ovale electrodes with <i>non-crimped</i> connectors.		

711-LWKDINX



Lead wire set. 6 feet (1.8 m) long. Includes one orange and one yellow wire. 1.5 mm safety sockets. Sterile; single-use only.

¹ Each FO-series electrode set includes two foramen ovale electrodes, two 17 gauge (0.04 inch/1.016 mm diameter) introducing needles and two TECH-ATTACH connector blocks. Each set requires the cable indicated. Sterile; single-use only.
The FD03K-SS05X-000 electrode set includes two foramen ovale electrodes, eight pin connectors, two 18 gauge (0.036 inch/0.9144 mm diameter), introducing needles and two 19 gauge (0.03 inch/0.962 mm diameter) introducing needles. It requires the cable and crimper indicated.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

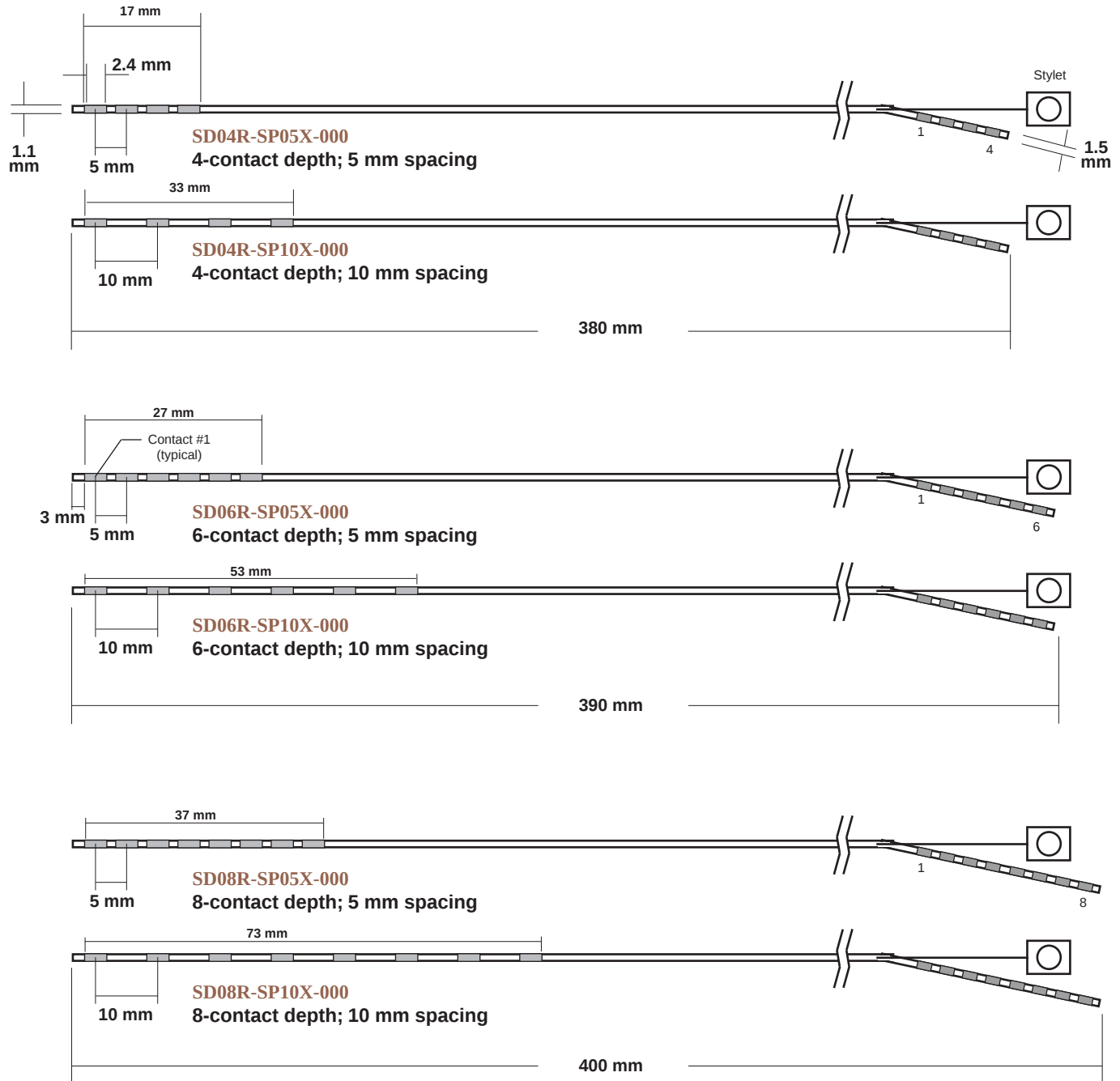


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AD-TECH® EPILEPSY/LTM SPENCER® PROBE DEPTH ELECTRODES

- For monitoring/mapping subsurface levels of the brain during the surgical treatment of epilepsy
- One-piece body construction
- Colored band
- Numbered label and 19 cm marker
- Platinum contacts
- Stay flange
- Sterile; single-use only



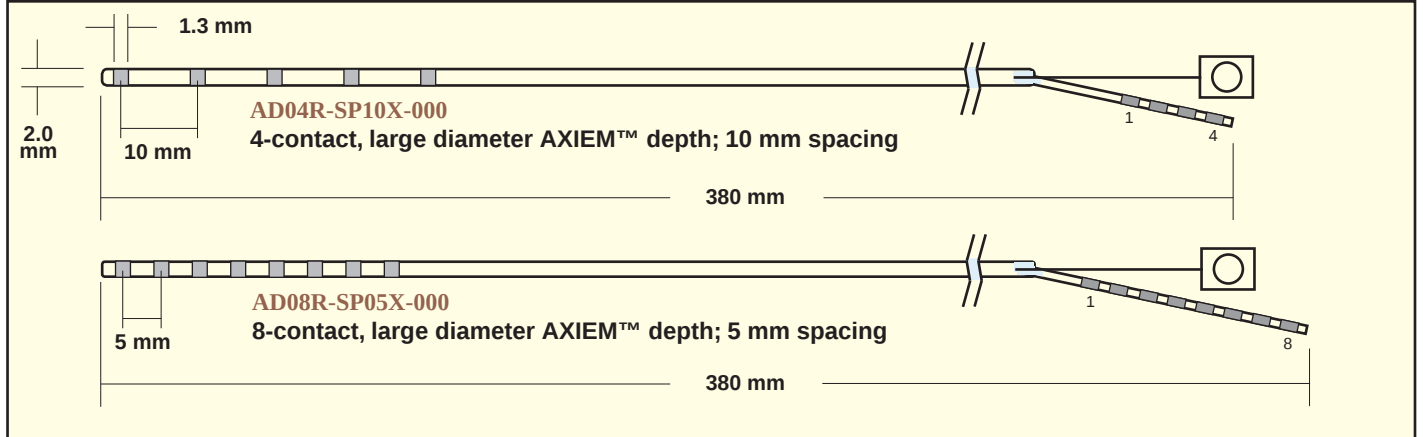
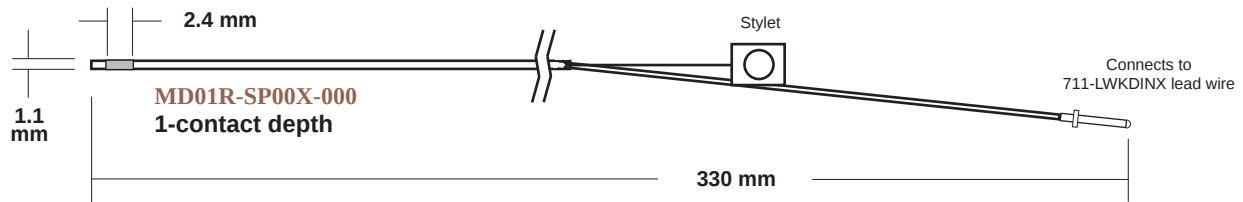
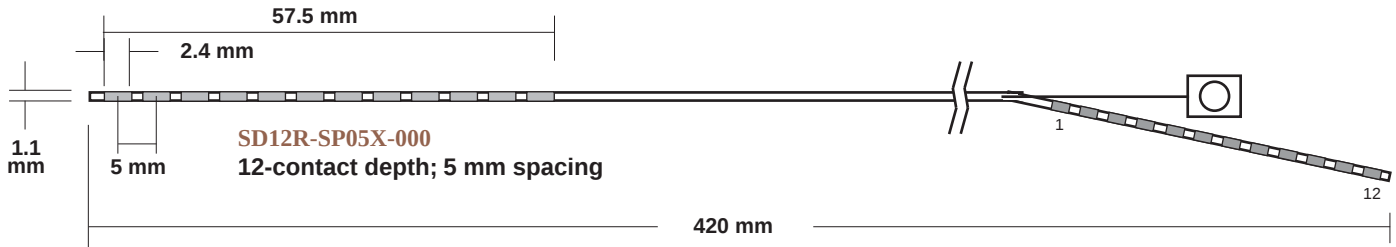
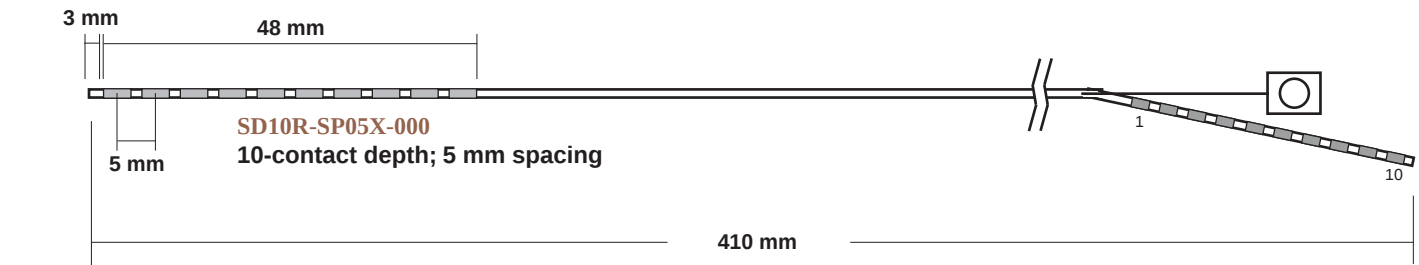
Contact Catalog Number	Description ¹	Size ²	Body Diameter	Contact Spacing	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block Qty
SD04R-SP05X-000	4-contact depth	2.4/1.1	1.1	5	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
SD04R-SP10X-000	4-contact depth	2.4/1.1	1.1	10	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X (1)
SD06R-SP05X-000	6-contact depth	2.4/1.1	1.1	5	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X (1)
SD06R-SP10X-000	6-contact depth	2.4/1.1	1.1	10	L-SRL-6DIN	L-RTL-6DIN	L-DCL-6DIN	DC-6X (1)
SD08R-SP05X-000	8-contact depth	2.4/1.1	1.1	5	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X (1)
SD08R-SP10X-000	8-contact depth	2.4/1.1	1.1	10	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X (1)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

² Overall length of the contact followed by its diameter (mm).

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® EPILEPSY/LTM SPENCER® PROBE DEPTH ELECTRODES



Catalog Number ¹	Description	Contact Size ²	Body Diameter	Contact Spacing	CABRIO® Cable	RoTec™ Cable	TECH-ATTACH® Cable	Components Block	Qty
SD10R-SP05X-000	10-contact depth	2.4/1.1	1.1	5	L-SRL-10DIN	L-RTL-10DIN	L-DCL-10DIN	DC-10X	(1)
SD12R-SP05X-000	12-contact depth	2.4/1.1	1.1	5	L-SRL-12BDIN	L-RTL-12BDIN	L-DCL-12BDIN	DC-12X	(1)
MD01R-SP00X-000	1-contact depth	2.4/1.1	1.1	N/A	N/A	N/A	711-LWKDINX	[6' (1.8m) long]	
AD04R-SP10X-000	4-contact AXIEM™ depth ^{3,4}	1.3/2.0	2.0	10	L-SRL-4DIN	L-RTL-4DIN	L-DCL-4DIN	DC-4X	(1)
AD08R-SP05X-000	8-contact AXIEM™ depth ^{3,4}	1.3/2.0	2.0	5	L-SRL-8DIN	L-RTL-8DIN	L-DCL-8DIN	DC-8X	(1)

¹ Each electrode requires either the CABRIO, RoTec or the TECH-ATTACH cable and the quantity of individual connector blocks as indicated.

² Overall length of the contact followed by its diameter (mm).

³ AXIEM™ is a trademark of Medtronic.

⁴ Pending CE mark approval.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

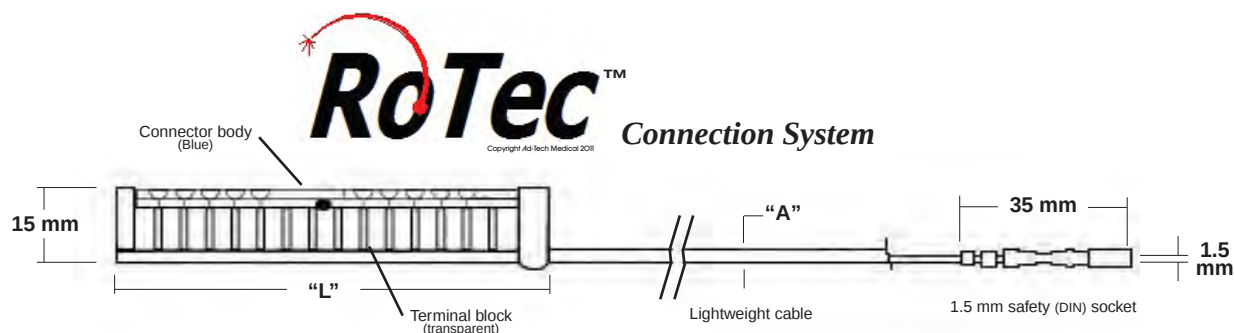


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AD-TECH® LIGHTWEIGHT ELECTRODE CONNECTION SYSTEMS

- Lightweight and Flexible
- 1.8 m (6 feet) length - additional cable lengths available
- Quick disconnect option available

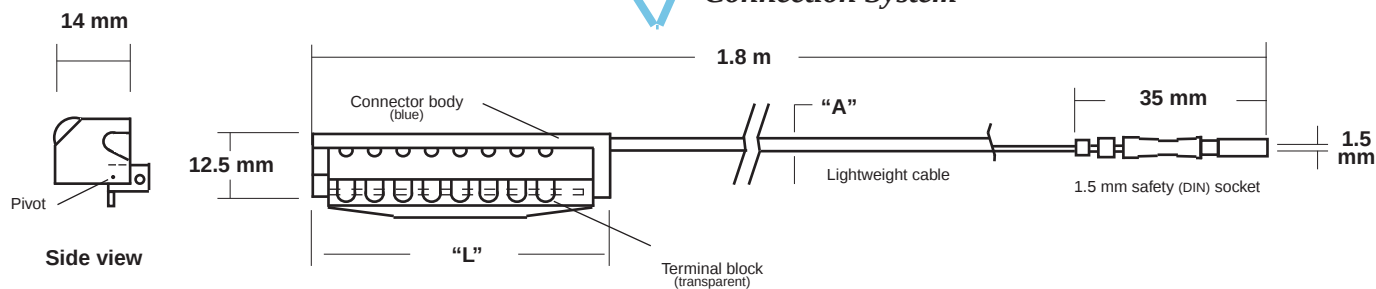


Lightweight RoTec Connection System

Catalog Number	Description ¹	Terminal Configuration	Dimension "L"	Cable Diameter "A"
L-RTL-4DIN	4-contact lightweight RoTec connector/cable	1 terminal of 4	35 mm	2.21 mm
L-RTL-6DIN	6-contact lightweight RoTec connector/cable	1 terminal of 6	35 mm	2.67 mm
L-RTL-8DIN	8-contact lightweight RoTec connector/cable	1 terminal of 8	45 mm	2.67 mm
L-RTL-10DIN	10-contact lightweight RoTec connector/cable	1 terminal of 10	55 mm	3.23 mm
L-RTL-12BDIN	12-contact lightweight RoTec connector/cable	1 terminal of 12	65 mm	3.76 mm
L-RTL-16BDIN	16-contact lightweight RoTec connector/cable	1 terminal of 16	85 mm	3.76 mm
L-RTL-20DIN	20-contact lightweight RoTec connector/cable	2 terminals of 10	55 mm	2 x 3.23 mm
L-RTL-32BDIN	32-contact lightweight RoTec connector/cable	2 terminals of 16	85 mm	2 x 3.76 mm
L-RTL-48BDIN	48-contact lightweight RoTec connector/cable	3 terminals of 16	85 mm	3 x 3.76 mm
L-RTL-64BDIN	64-contact lightweight RoTec connector/cable	4 terminals of 16	85 mm	4 x 3.76 mm

CABRIO®

Connection System



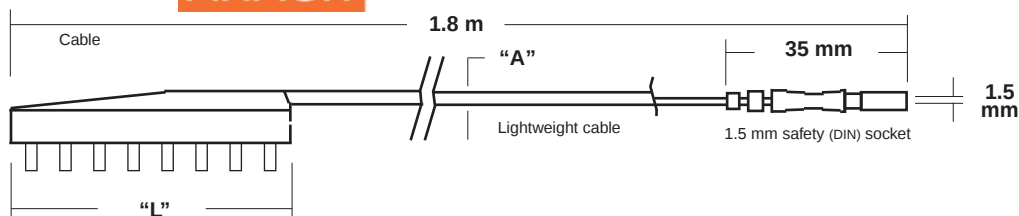
Lightweight CABRIO Connection System

Catalog Number	Description ¹	Terminal Configuration	Dimension "L"	Cable Diameter "A"
L-SRL-4DIN	4-contact lightweight CABRIO connector/cable	1 terminal of 4	34 mm	2.21 mm
L-SRL-6DIN	6-contact lightweight CABRIO connector/cable	1 terminal of 6	44 mm	2.67 mm
L-SRL-8DIN	8-contact lightweight CABRIO connector/cable	1 terminal of 8	54 mm	2.67 mm
L-SRL-10DIN	10-contact lightweight CABRIO connector/cable	1 terminal of 10	64 mm	3.23 mm
L-SRL-12BDIN	12-contact lightweight CABRIO connector/cable	1 terminal of 12	94 mm	3.76 mm
L-SRL-16BDIN	16-contact lightweight CABRIO connector/cable	1 terminal of 16	94 mm	3.76 mm
L-SRL-20DIN	20-contact lightweight CABRIO connector/cable	2 terminals of 10	64 mm	2 x 3.23 mm
L-SRL-32BDIN	32-contact lightweight CABRIO connector/cable	2 terminals of 16	94 mm	2 x 3.76 mm
L-SRL-48BDIN	48-contact lightweight CABRIO connector/cable	3 terminals of 16	94 mm	3 x 3.76 mm
L-SRL-64BDIN	64-contact lightweight CABRIO connector/cable	4 terminals of 16	94 mm	4 x 3.76 mm

- Lightweight Cabrio, RoTec and TECH-ATTACH cables are supplied with 1.5 mm safety sockets. Where not prohibited by law, alternative termination options are available upon request. Non-sterile; sterilize via EtO (EO) or Sterrad.
- Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.



Connection System



Lightweight TECH-ATTACH Connection System

Catalog Number ²	Description ¹	Terminal Configuration	Dimension "L"	Cable Diameter "A"
L-DCL-4DIN	4-contact lightweight TECH-ATTACH cable	1 terminal of 4	34 mm	2.21 mm
L-DCL-6DIN	6-contact lightweight TECH-ATTACH cable	1 terminal of 6	44 mm	2.67 mm
L-DCL-8DIN	8-contact lightweight TECH-ATTACH cable	1 terminal of 8	54 mm	2.67 mm
L-DCL-10DIN	10-contact lightweight TECH-ATTACH cable	1 terminal of 10	64 mm	3.23 mm
L-DCL-12BDIN	12-contact lightweight TECH-ATTACH cable	1 terminal of 12	66 mm	3.76 mm
L-DCL-16BDIN	16-contact lightweight TECH-ATTACH cable	1 terminal of 16	94 mm	3.76 mm
L-DCL-20DIN	20-contact lightweight TECH-ATTACH cable	2 terminals of 10	64 mm	2 x 3.23 mm
L-DCL-32BDIN	32-contact lightweight TECH-ATTACH cable	2 terminals of 16	94 mm	2 x 3.76 mm
L-DCL-48BDIN	48-contact lightweight TECH-ATTACH cable	3 terminals of 16	94 mm	3 x 3.76 mm
L-DCL-64BDIN	64-contact lightweight TECH-ATTACH cable	4 terminals of 16	94 mm	4 x 3.76 mm

■ Lightweight CABRIO and TECH-ATTACH cables are supplied with 1.5 mm safety sockets. Where not prohibited by law, alternative termination options are available upon request. Non-sterile; sterilize via EtO (EO) or Sterrad.

■ All lightweight TECH-ATTACH cables require the use of disposable connector blocks.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.

AD-TECH® DISPOSABLE CONNECTOR BLOCKS

- Disposable, sterile

TECH-ATTACH Disposable Connector Blocks (Box of 10)

Catalog Number	Description	Used with Lightweight TECH-ATTACH Cable
DC-2X	2-contact block	L-DCL-2DIN
DC-3X	3-contact block	L-DCL-3DIN
DC-4X	4-contact block	L-DCL-4DIN
DC-5X	5-contact block	L-DCL-5DIN
DC-6X	6-contact block	L-DCL-6DIN
DC-8X	8-contact block	L-DCL-8DIN, -16DIN, -32DIN, -48DIN & -64DIN
DC-10X	10-contact block	L-DCL-10DIN, -20DIN & -40BDIN
DC-11X	11-contact block	L-DCL-35DIN
DC-12X	12-contact block	L-DCL-12BDIN, -24BDIN, -35DIN & -48DDIN
DC-16X	16-contact block	L-DCL-16BDIN, -32BDIN, -48BDIN & -64BDIN

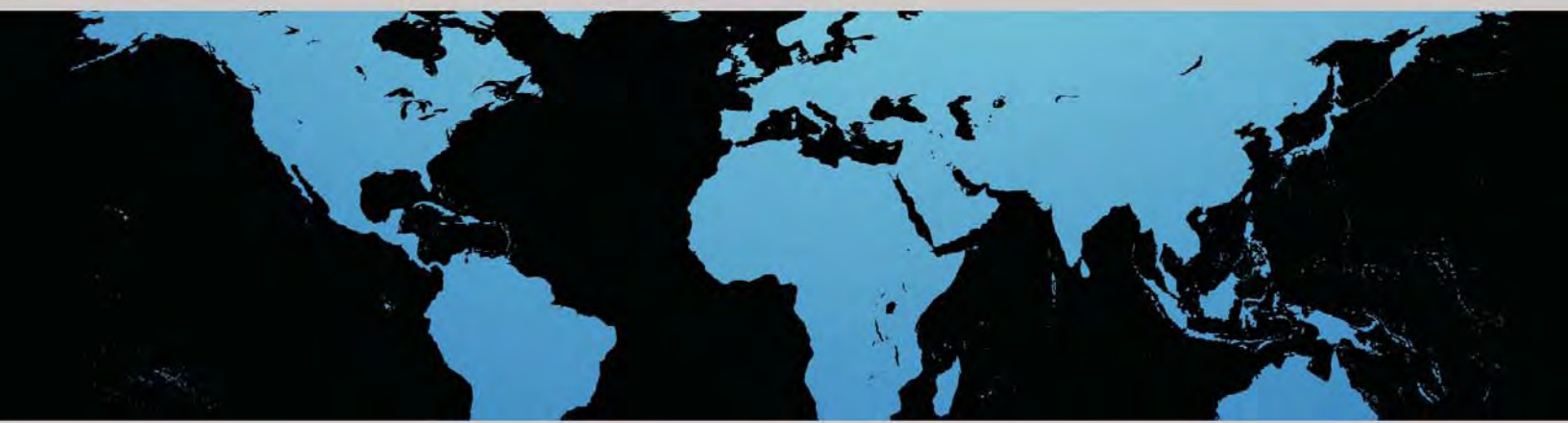
■ All TECH-ATTACH connector blocks are packaged in sets of two with five sets per box. Sold by box of ten only. Sterile; single-use only.

■ Manufactured in U.S.A. All dimensions are approximate. All drawings are not to scale. Consult price sheets for current pricing.



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