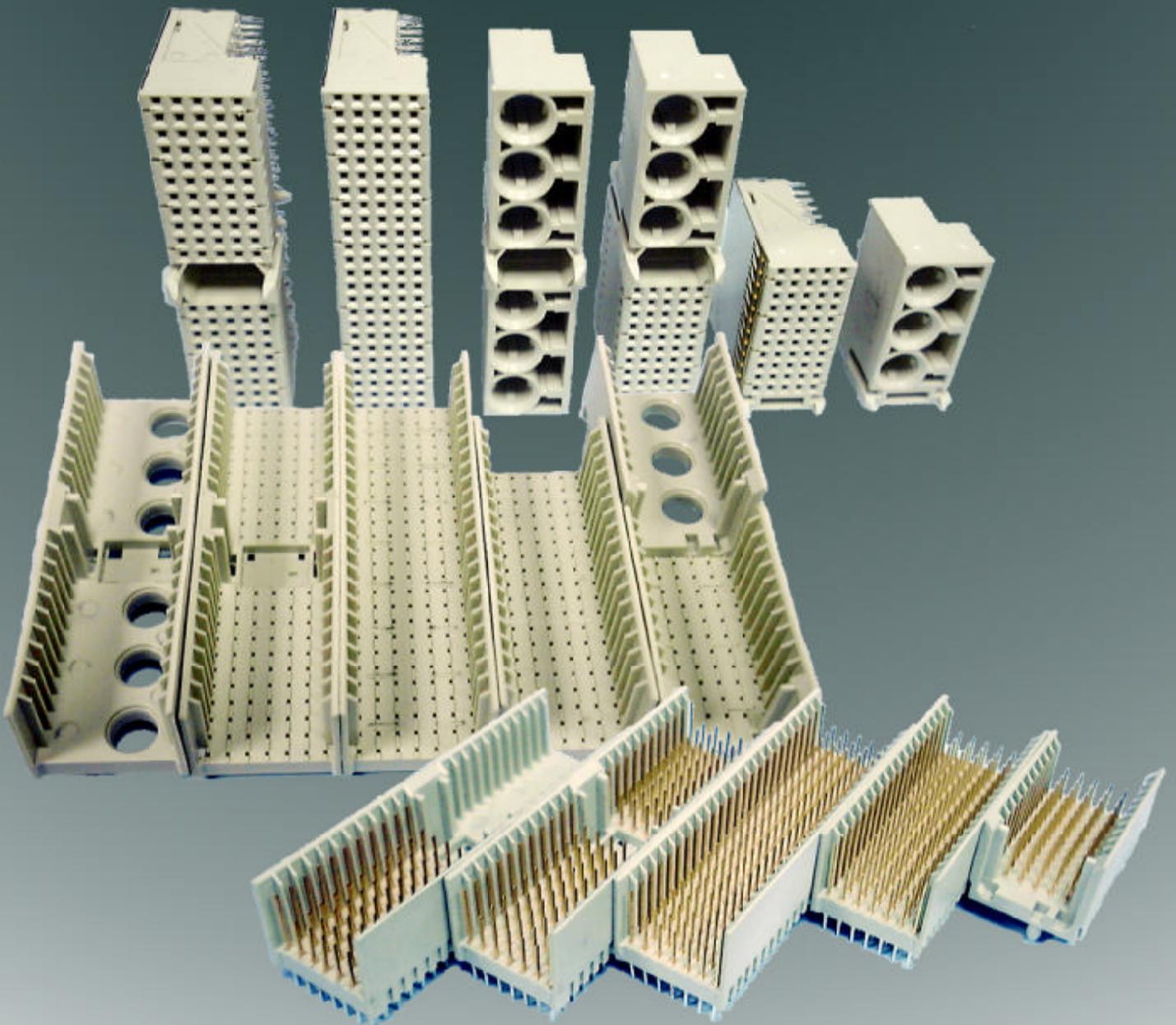

P2HM Series

2.0mm Hard Metric
Connector System



Cannon



ITT Industries
Engineered for life

Don't Blink.

No industry in the world moves faster than electronics. Take a snapshot of it today, and it all changes by tomorrow.

When you need to bring your products to market more quickly, you most likely seek a partner who moves just as fast as you do. A company at the forefront with the latest ideas in products and service.

At ITT Cannon, we have made it our business to understand your world. Or should we say, the many parts of your world:

- The places in the world where you do business.
- The products you bring to the world.
- The service you require from suppliers to compete in the world.

ITT Cannon is a company with nearly 85 years of experience combined with the innovative spirit of electronic interconnects and network components.

ITT Cannon is part of ITT Industries, a leading worldwide diversified manufacturing company with 1997 sales of \$8.8 billion. At ITT Cannon, we are proud of a heritage that helped pioneer the electronics industry from its infancy in the early part of this century, to the highly advanced technologies of the present. Today, we serve nearly every industry in which the increased demand for reliable and innovative interconnect systems is critical:

- Computers (personal computers, portables and peripherals)
- Telecommunications (Network systems and services/LAN; mobile)
- Transportation (Automobiles, heavy-duty vehicles, rail and mass transit)
- Military/Aerospace (Commercial and military aircraft, defense and space)
- Industrial (Factory automation and instrumentation)
- Medical (Diagnostic equipment)
- Broadcasting
- Consumer products



Innovation

A commitment to concurrent engineering helps you reach your markets faster

Let us bring our spirit of innovation to your world. Experienced engineering teams located throughout the globe work hand-in-hand with our customers. And since these teams are thoroughly networked together, you benefit from 24 hour-a-day concurrent engineering capability. These teams advance your project from initial product concepts to final design and into production.

Our teams are experts in computer-based design, modeling and analysis to assure robust product designs. We are also well-versed in performance simulation, as well as verification of mechanical and electrical properties. Cannon utilizes Pro/ENGINEER from Parametric Technology Corporation. Pro/ENGINEER® allows us to develop products and manufacturing processes concurrently and to easily to evaluate multiple design alternatives. This means better designed products, produced faster and at a lower cost.

Cannon's Integrated Product Development process (IPD) allows us to minimize cycle time for first article and volume production.



Experience

Worldwide capacity to meet all of your delivery requirements

Our decades of manufacturing experience help us bring the latest products to your world. With automated manufacturing capacity strategically located in North America, Europe and Asia, we can produce products in either large or small quantities to quickly meet your exact requirements.

ITT Cannon is able to modify existing products to suit special customer requirements. With global manufacturing capacity in every continent, we are also able to source product from the location that best suits your needs. This means we have the flexibility to select the most advantageous shipping methods and other logistical options.

ITT Cannon has established Centers of Excellence for world class capabilities such as: machining, stamping, surface plating, molding, cable assembly and network systems technology - all utilizing the most advanced CAM equipment.

Plus, we've standardized our molds and dies worldwide, so that we can move processes anywhere in the world to benefit our customers with both consistent quality and flexibility. Cannon's manufacturing resources also fully comply with applicable environmental controls.



Reliability

We don't stop at "world class quality" - Continuous improvement is our standard

Our goal is to bring world class electronics to your world. This commitment to perfection has helped Cannon's global facilities earn ISO 9000 certification. We have invested in world class process controls for both assembly and component manufacturing.

Cannon has also met or exceeded the quality system requirements from all customers who have conducted audits. We participate in ship-to-stock programs with many of these customers worldwide and have received numerous quality and preferred supplier awards from customers throughout the world in each of the industries we serve.

We constantly benchmark and measure each of our processes to assure continuous improvement in every aspect of the products and services we offer customers.



Responsiveness

A singular focus on responding to your needs

We know that to be responsive, we must know your world inside and out: your particular company, your industry and your challenges. Each of ITT Cannon's thousands of employees worldwide is focused on responding to you with timely and dependable information - and on ensuring that we keep the commitments we make. For instance, our globally linked computer system tracks the status of your order anywhere in the world.

You also benefit from our field applications and sales network, which provides industry-specific knowledge to help you design in the best product for your application.

Our distribution network is one of the most extensive in the industry and can provide you off-the-shelf product to meet the most challenging delivery requirements.

An Invitation to Share Your World

Innovation. Experience. Reliability. Responsiveness.

At ITT Cannon, these are the strengths that we bring to our customers each and every day. Just as we have for nearly nine decades. We pride ourselves on a level of service and manufacturing know-how that has enabled us to lead our industry. Exceeding your expectations - not just meeting them - is how we approach every project.

With the world moving faster all the time, ITT Cannon is a partner who can help you get your products to market not just on time, but ahead of the competition.

At ITT Cannon, we realize that each customer we serve has their own special needs and expectations. That is why we would welcome the opportunity to discuss your project, your company, your industry - yes, your world.



Table of Content

Technical Data	4
System Modularity	5
Contact Dimension	6
Male A Type Connector	7
Female A Type Connector	9
Male B Type Connector	10
Female B Type Connector	14
Male C Type Connector	15
Female C Type Connector	17
Male L Type Connector	18
Female L Type Connector	19
Male M Type Connector	20
Female M Type Connector	21
Male N Type Connector	22
Female N Type Connector	23
Shrouds for Male A Type Connector	24
Shrouds for Male B Type Connector	25
Shrouds for Male C Type Connector	26
Shielding for Female A Type Connector	27
Shielding for Female B Type Connector	28
Shielding for Female C Type Connector	29
Coding System	30
FAX Request From	31
Part Number Index	32

Technical Data

Spacing size	2.0mm
Housing	Glass-filled thermoplastic, UL94V-0 rated
Contact material	Phosphor bronze
Contact finish	30µ" minimum gold on mating area, tin on tails, all over nickel underplated
Shielding cover	Phosphor bronze
Shielding cover finish	Gold plating on mating, tin on others, all over nickel underplated
Mechanical durability	250 mating/unmating cycles minimum
Insertion force	0.75N maximum per signal contact pair
	1.0N maximum per shield contact pair
Withdrawal force	0.15N minimum per signal/shield contact pair
Contact resistance	20mΩ maximum
Insulation resistance	10 ⁴ MΩ minimum
Test voltage	750V/RMS
Current rating	1.5A at 20°C, 1.0A at 70°C
Air and creepage dist.	Male connector: 0.8mm
	Female connector: 0.6mm
Temperature range	-55°C to +125°C

Connector according to IEC 61076-4-101

The P2HM series hardmetric connector system was developed according to the international standard IEC 61076-4-101. As a result, a worldwide standard for the combination of PCBs is safeguarded by multi-contact plug-and-socket connectors for customers.

PCBs can be exchanged without problems from system to system. Important parameters like fixing, shielding and coding remain compatible to all applications.

The spacing

The P2HM series connectors have been developed with a spacing of 2.0mm between contacts. These connectors are modular and therefore can be stacked together without interrupting the continuity of the 2.0mm design. No space is wasted within a row of connectors.

Module stacking

To improve stacking and to avoid accidental reversal of connectors the end of the housings engage the adjacent connector to insure exact positioning onto the PCB board and give the modules the necessary support.

Coding

In order to avoid accidental plug-in among PC boards the IEC 61076-4-101 standard provides protection through coding. Coding keys are easily hand inserted into the multifunction block of the connector module A, L and M. The pins are colour coded for fast visual recognition.

Multifunction block

The modules A, L, M and compact PCI are equipped with a multifunction block. The coding devices, according to the IEC standard, can be added to the multifunction block. The

guides guaranty the correct mating and prohibit accidental reversal of the male and female connectors.

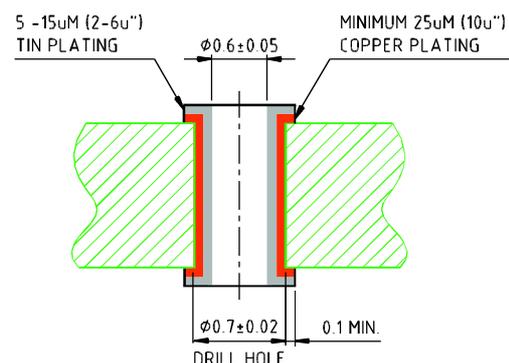
The coding devices may be assembled by a single plug and pulling tool and/or again removed.

Contact length of the rear and front mating area

ITT Industries Cannon offers 3 different lengths for the front mating area and 4 lengths for the rear mating area for the P2HM Series male connectors. A tin-plated Wire Wrap type is equally available. Different contact lengths are required for signal and ground contacts to establish first mate and last break features. The long contacts with 11.25mm are predominantly used for the shielding rows "z" and "f".

Through-hole specification of the PCB

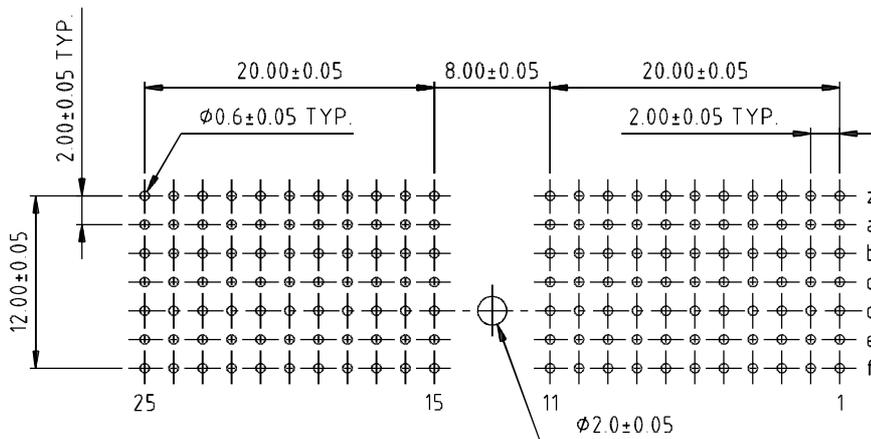
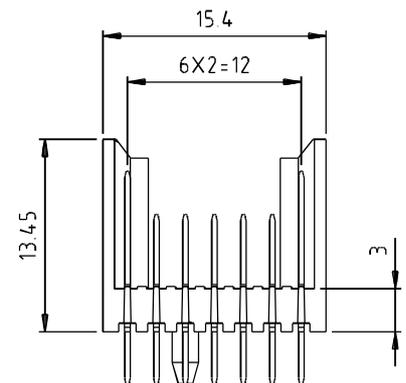
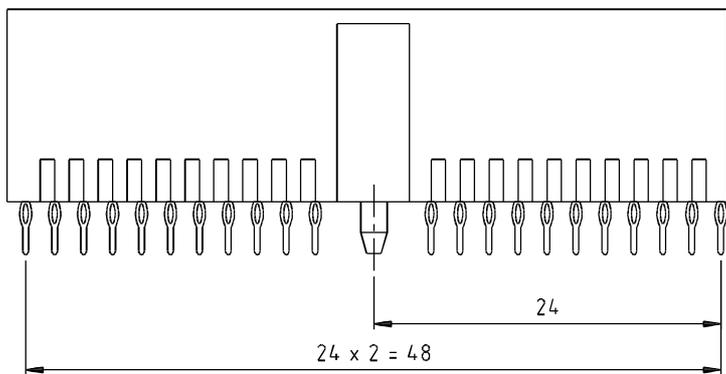
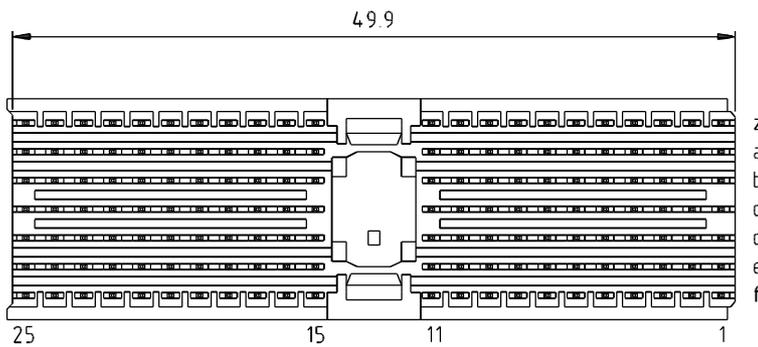
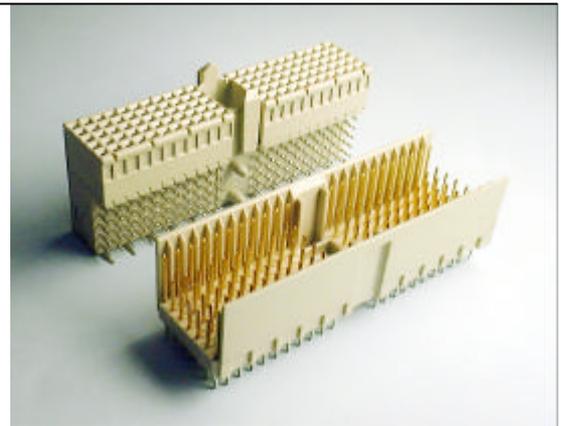
Shows recommended through-plated holes for signal contacts and shieldings in press-fit techniques as following..



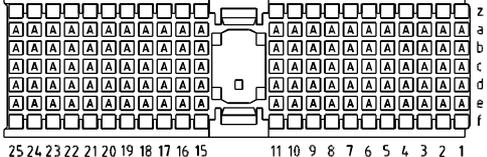
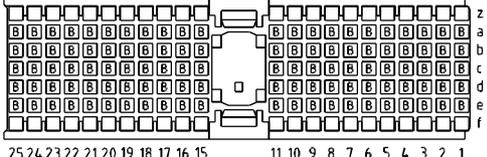
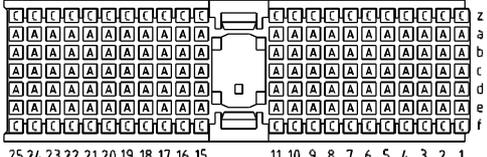
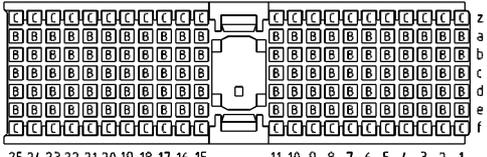
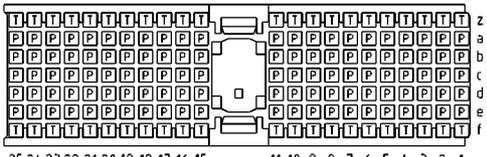
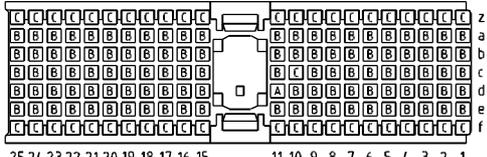
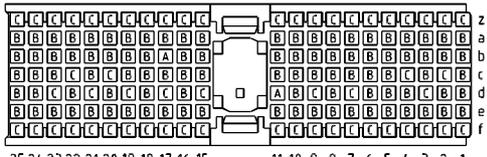
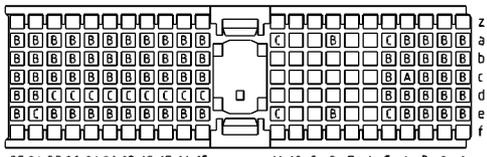
Contact Dimension

contact dimensions	contact	Rear mating option	front mating length	used for
	A	without rear mating area	8.2±0.1	signal contact
	B		9.7±0.1	signal contact
	C		11.2±0.1	shielding
	G	13.0mm for wire wrap	8.2±0.1	signal contact
	H		9.7±0.1	signal contact
	J		11.2±0.1	shielding
	K	13.0mm for rear mating	8.2±0.1	signal contact
	L		9.7±0.1	signal contact
	M		11.2±0.1	shielding
	N	14.5mm for rear mating	8.2±0.1	signal contact
	P		9.7±0.1	signal contact
	O		11.2±0.1	shielding
	R	16.0mm for rear mating	8.2±0.1	signal contact
	S		9.7±0.1	signal contact
	T		11.2±0.1	shielding

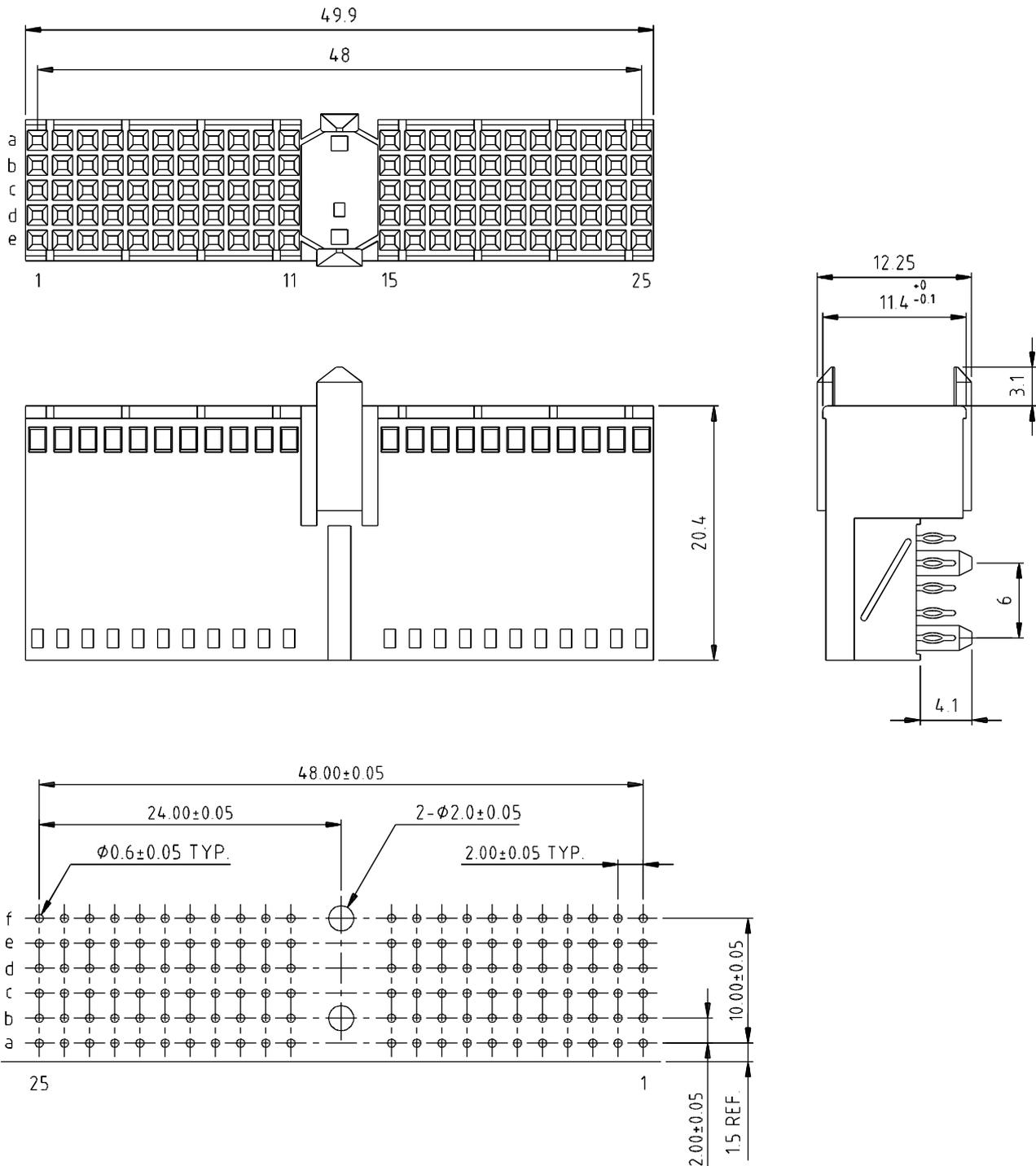
Male Connectors Type A



Ordering Information

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
 <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	110	z a b c d e f	- A A A A A -	167000-1001
 <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	110	z a b c d e f	- B B B B B -	167000-1002
 <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C A A A A A C	167000-1003
 <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C B B B B C	167000-1004
 <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	T P P P P P T	167000-1005
<p>Compact PCI</p>  <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C B B B/C A/B B C	167000-1006
<p>cPCI Hot Swap</p>  <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C B A/B B/C A/B/C B C	167000-1007
<p>cPCI Telephony Spec</p>  <p>25 24 23 22 21 20 19 18 17 16 15 11 10 9 8 7 6 5 4 3 2 1</p>	100	z a b c d e f	- B/C B A/B B/C B/C -	167000-1008

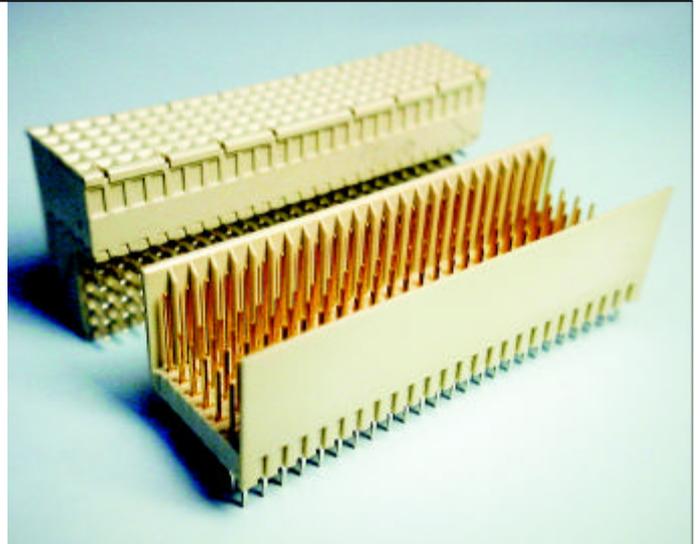
Female Connectors Type A



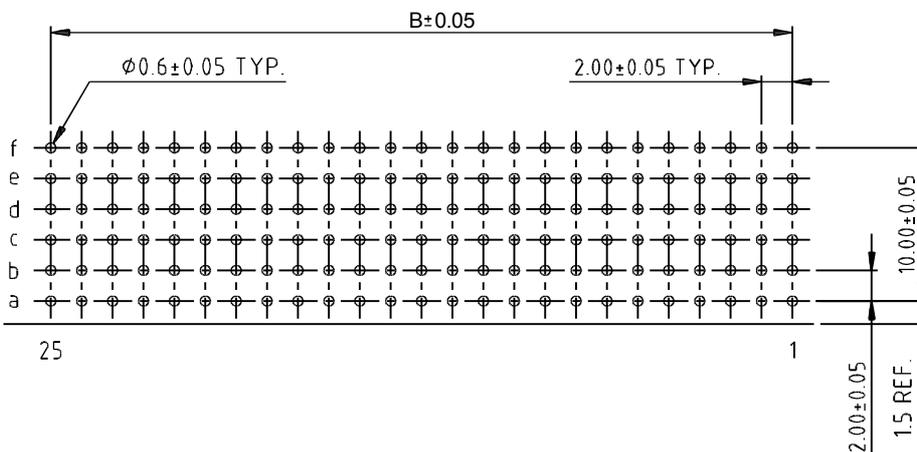
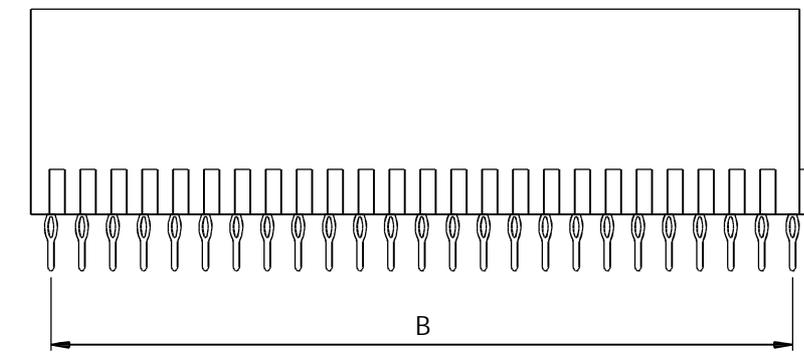
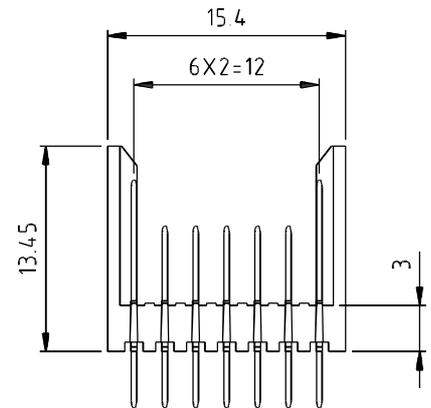
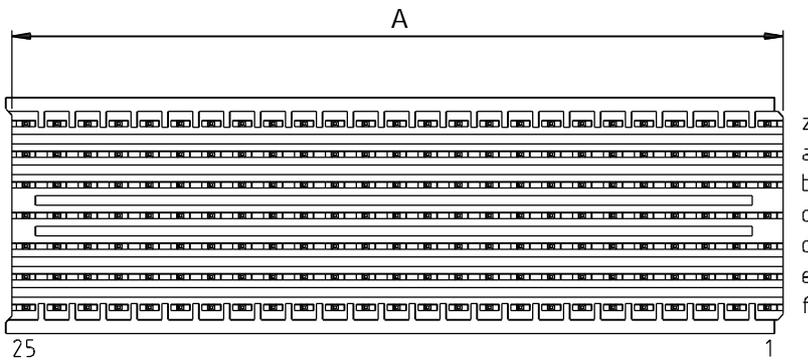
Ordering Information

Part Number	Mating Area Finish	Description
167000-1009	30μ" gold (standard)	110-pos, w/o upper shielding pre-installed
167000-1010	30μ" gold (standard)	110-pos, w/upper shielding pre-installed
167000-1011	30μ" gold (standard)	90-pos, w/upper shielding pre-installed
167000-1012	30μ" gold (standard)	90-pos, cPCI Telephony Spec.
167000-1013	30μ" gold (standard)	Optional upper Shielding
167000-1014	30μ" gold (standard)	Optional bottom Shielding

Male Connectors Type B25/B22/B19



Dimension Table		
Type	DIM A	DIM B
B-25	49.9	48.0
B-22	43.9	42.0
B-19	37.9	36.0



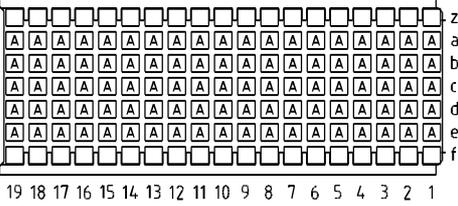
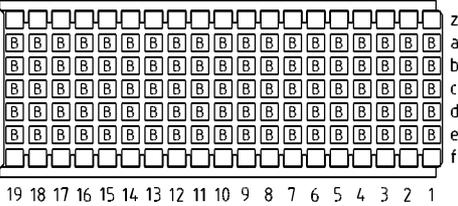
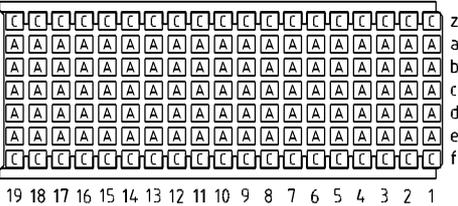
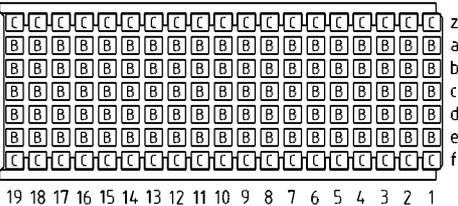
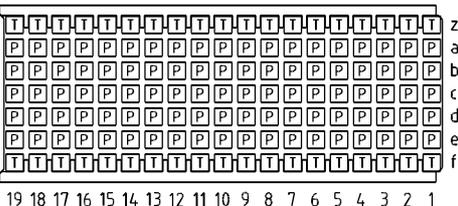
Ordering Information- B25

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
<p>z a b c d e f</p> <p>25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	125	z a b c d e f	- A A A A A -	167000-1015
<p>z a b c d e f</p> <p>25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	125	z a b c d e f	- B B B B B -	167000-1016
<p>z a b c d e f</p> <p>25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	175	z a b c d e f	C A A A A A C	167000-1017
<p>z a b c d e f</p> <p>25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	175	z a b c d e f	C B B B B B C	167000-1018

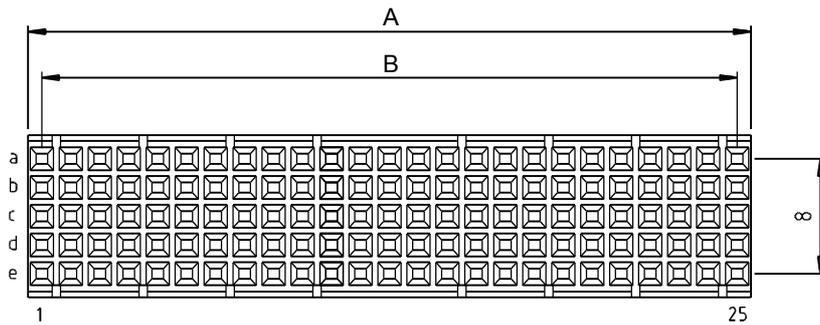
Ordering Information- B22

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
<p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	110	z a b c d e f	- A A A A A -	167000-1023
<p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	110	z a b c d e f	- B B B B B -	167000-1024
<p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C A A A A A C	167000-1025
<p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C B B B B C	167000-1026
<p>cPCI Telephony Spec</p> <p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	C A/B A/B A/B A/B C	167000-1027
<p>z a b c d e f</p> <p>22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	154	z a b c d e f	T P P P P P T	167000-1028

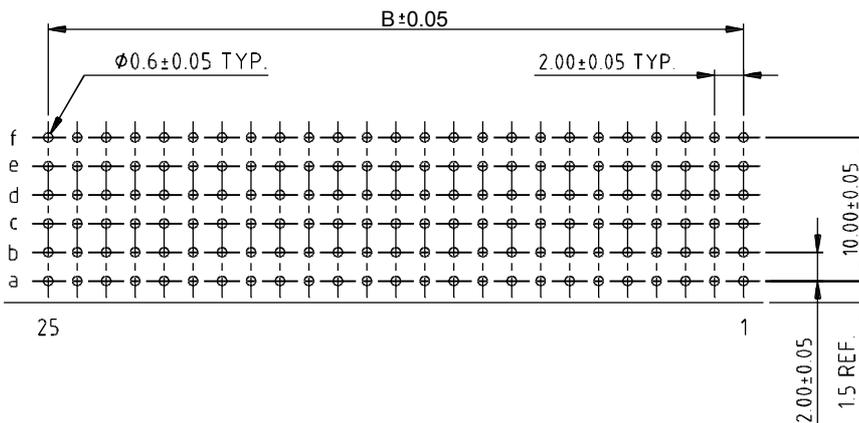
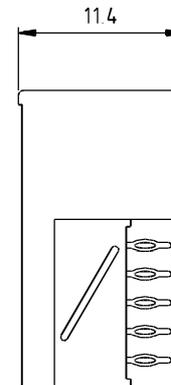
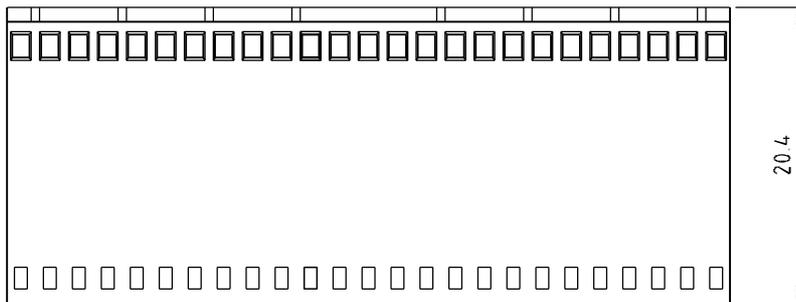
Ordering Information- B19

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
 <p>z a b c d e f</p> <p>19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	95	z a b c d e f	- A A A A A -	167000-1033
 <p>z a b c d e f</p> <p>19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	95	z a b c d e f	- B B B B B -	167000-1034
 <p>z a b c d e f</p> <p>19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	133	z a b c d e f	C A A A A A C	167000-1035
 <p>z a b c d e f</p> <p>19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	133	z a b c d e f	C B B B B C	167000-1036
 <p>z a b c d e f</p> <p>19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1</p>	133	z a b c d e f	T P P P P P T	167000-1037

Female Connectors Type B25/B22/B19



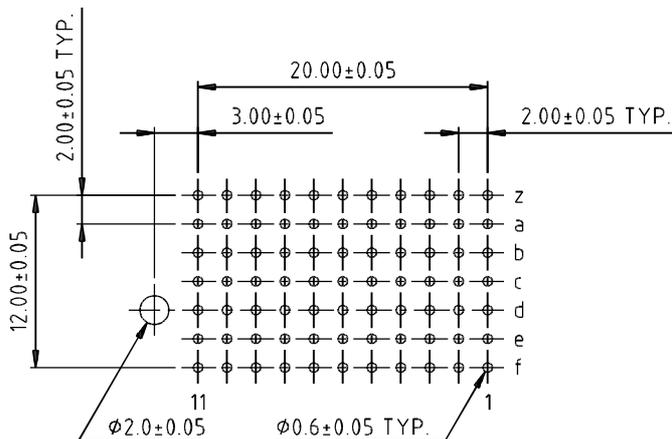
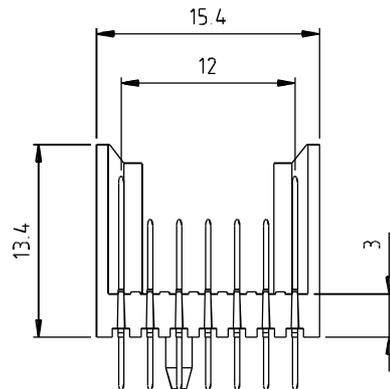
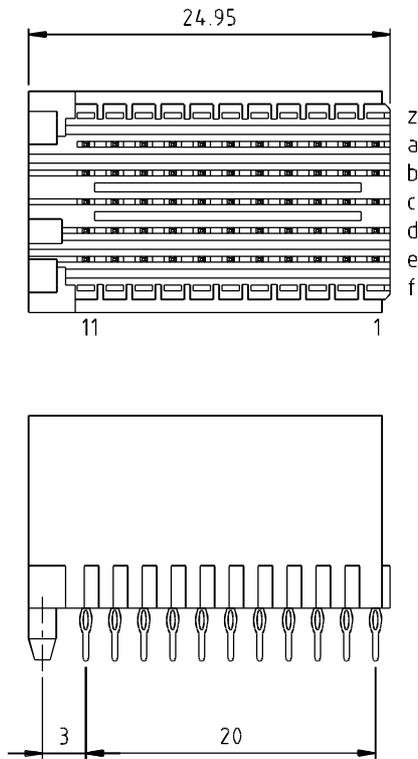
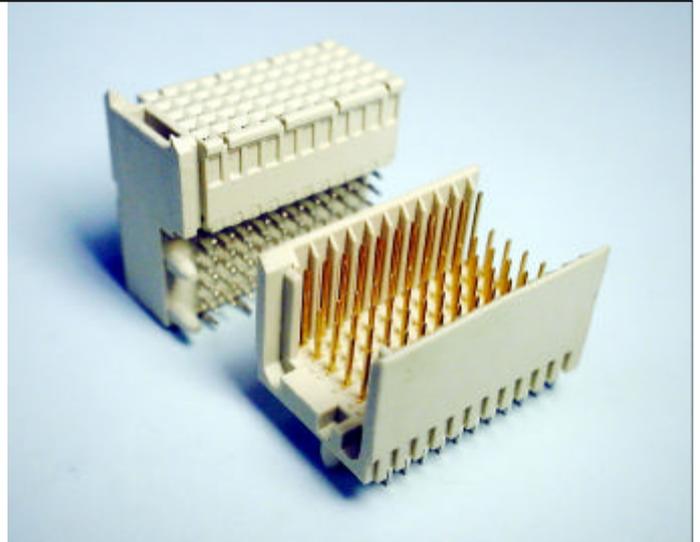
Dimension Table		
Type	DIM A	DIM B
B-25	49.9	48.0
B-22	43.95	42.0
B-19	37.95	36.0



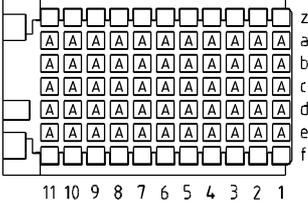
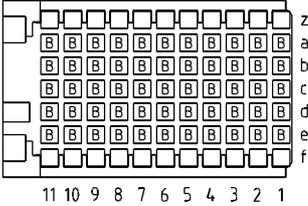
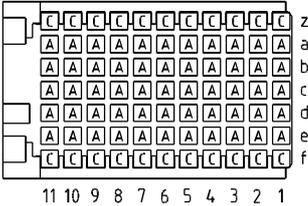
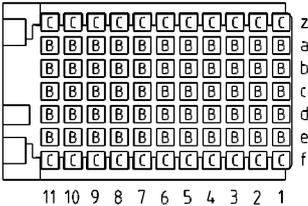
Ordering Information

Part Number	Type	Mating Area Finish	Description
167000-1019	B25	30μ" gold (standard)	125-pos, w/o upper shielding pre-installed
167000-1020	B25	30μ" gold (standard)	125-pos, w/upper shielding pre-installed
167000-1021	B25	30μ" gold (standard)	Optional upper shielding
167000-1022	B25	30μ" gold (standard)	Optional bottom shielding
167000-1029	B22	30μ" gold (standard)	110-pos, w/o upper shielding pre-installed
167000-1030	B22	30μ" gold (standard)	110-pos, w/upper shielding pre-installed
167000-1031	B22	30μ" gold (standard)	Optional upper shielding
167000-1032	B22	30μ" gold (standard)	Optional bottom shielding
167000-1038	B19	30μ" gold (standard)	95-pos, w/o upper shielding pre-installed
167000-1039	B19	30μ" gold (standard)	95-pos, w/upper shielding pre-installed
167000-1040	B19	30μ" gold (standard)	Optional upper shielding
167000-1041	B19	30μ" gold (standard)	Optional bottom shielding

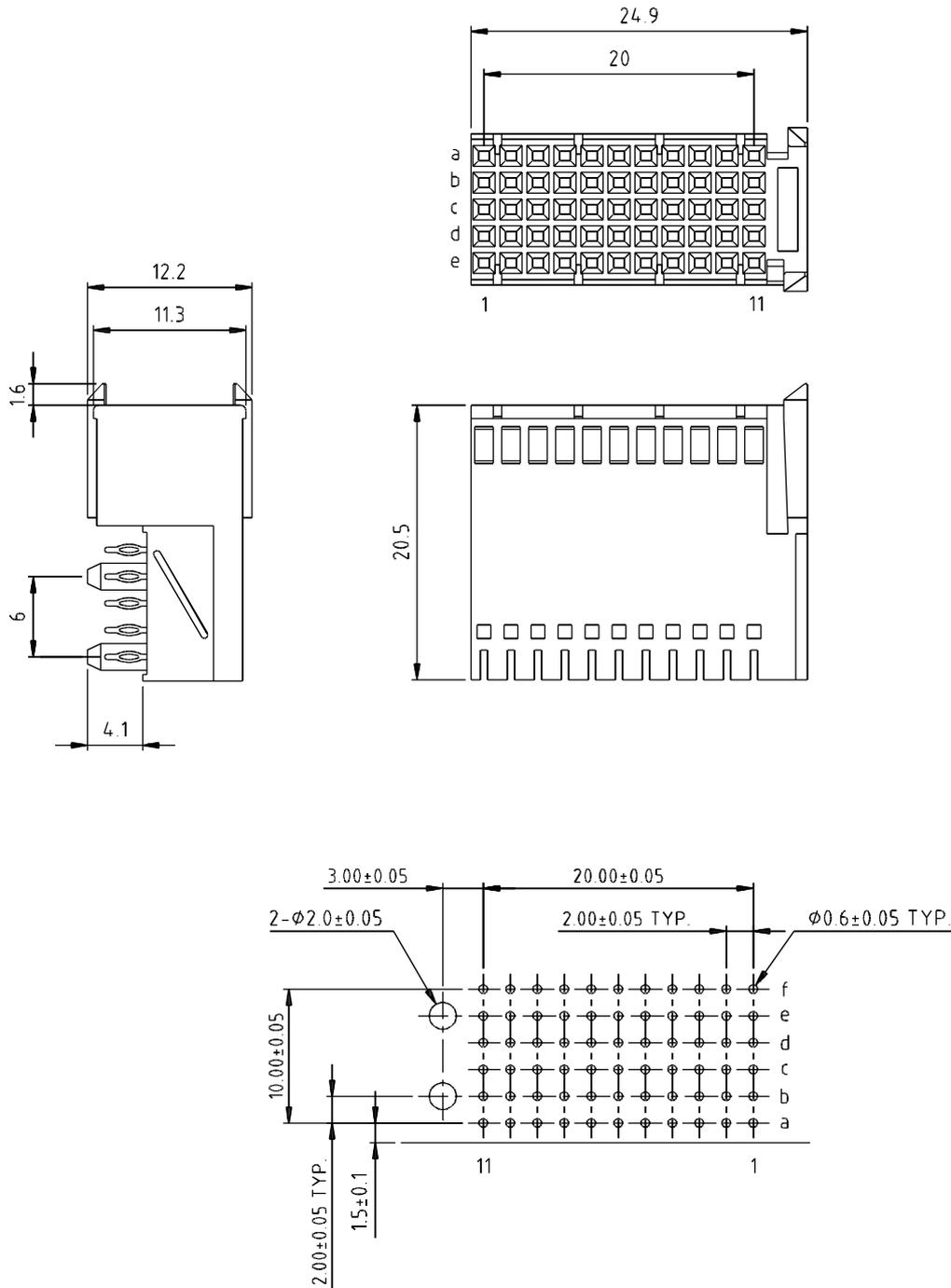
Male Connectors Type C



Ordering Information

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
	55	z a b c d e f	- A A A A A -	167000-1042
	55	z a b c d e f	- B B B B B -	167000-1043
	77	z a b c d e f	C A A A A A C	167000-1044
	77	z a b c d e f	C B B B B C	167000-1045

Female Connectors Type C

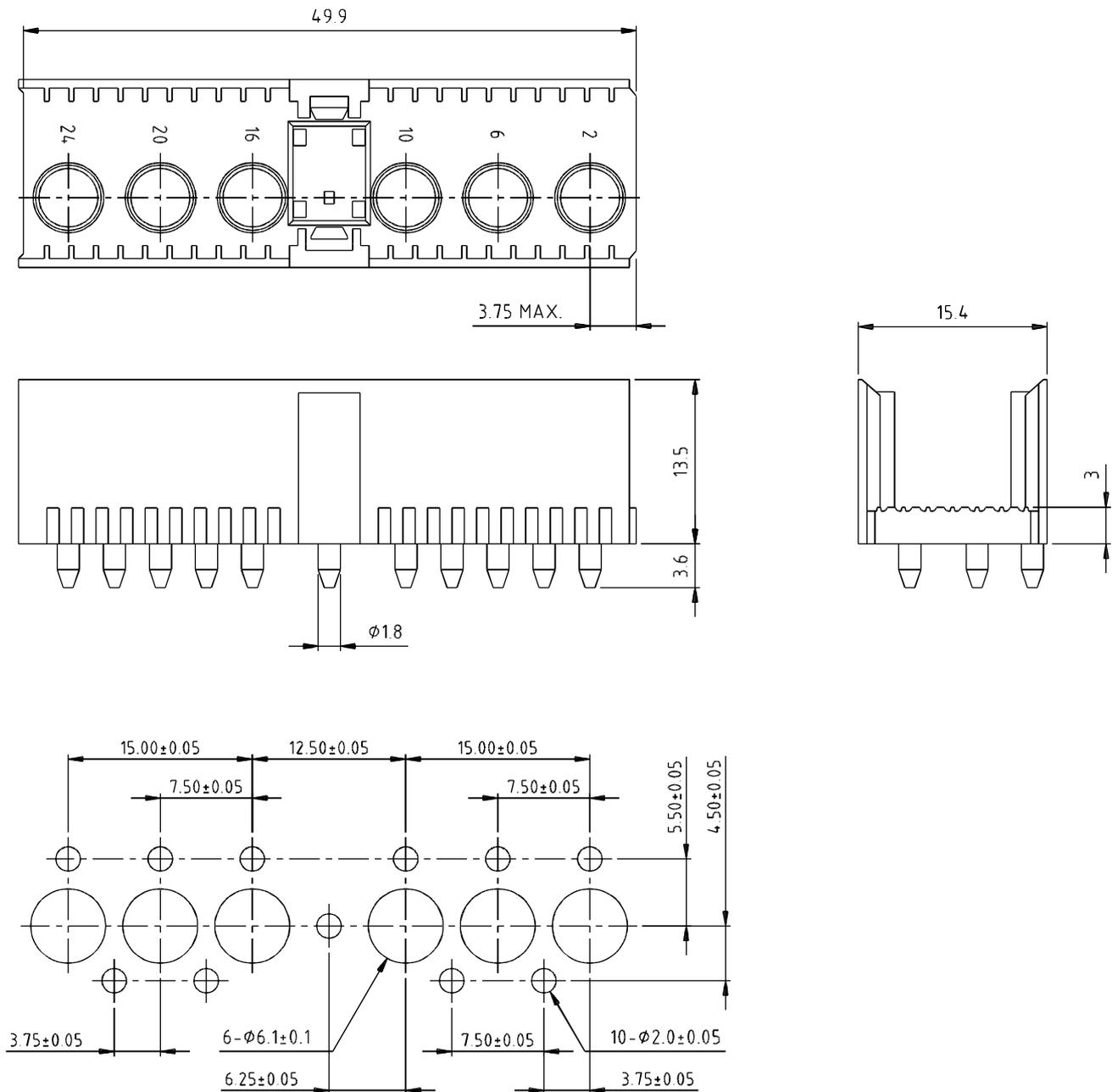
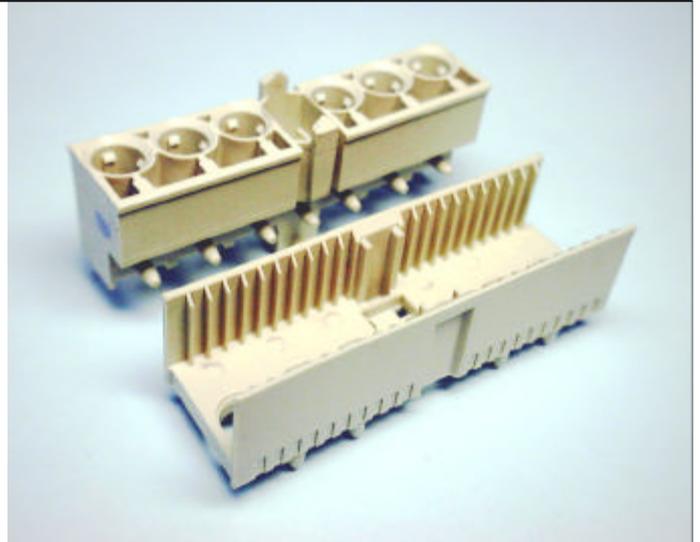


Ordering Information

Part Number	Mating Area Finish	Description
167000-1046	30µ" gold (standard)	55-pos, w/o upper shielding pre-installed
167000-1047	30µ" gold (standard)	55-pos, w/upper shielding pre-installed
167000-1048	30µ" gold (standard)	Optional upper Shielding
167000-1049	30µ" gold (standard)	Optional bottom Shielding

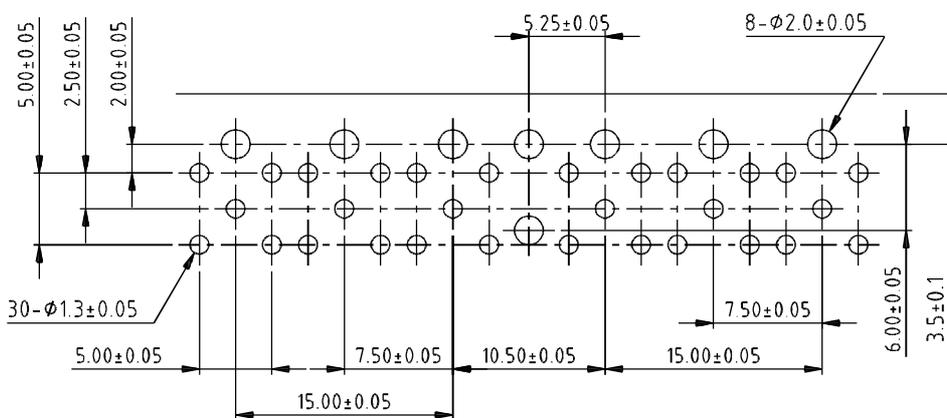
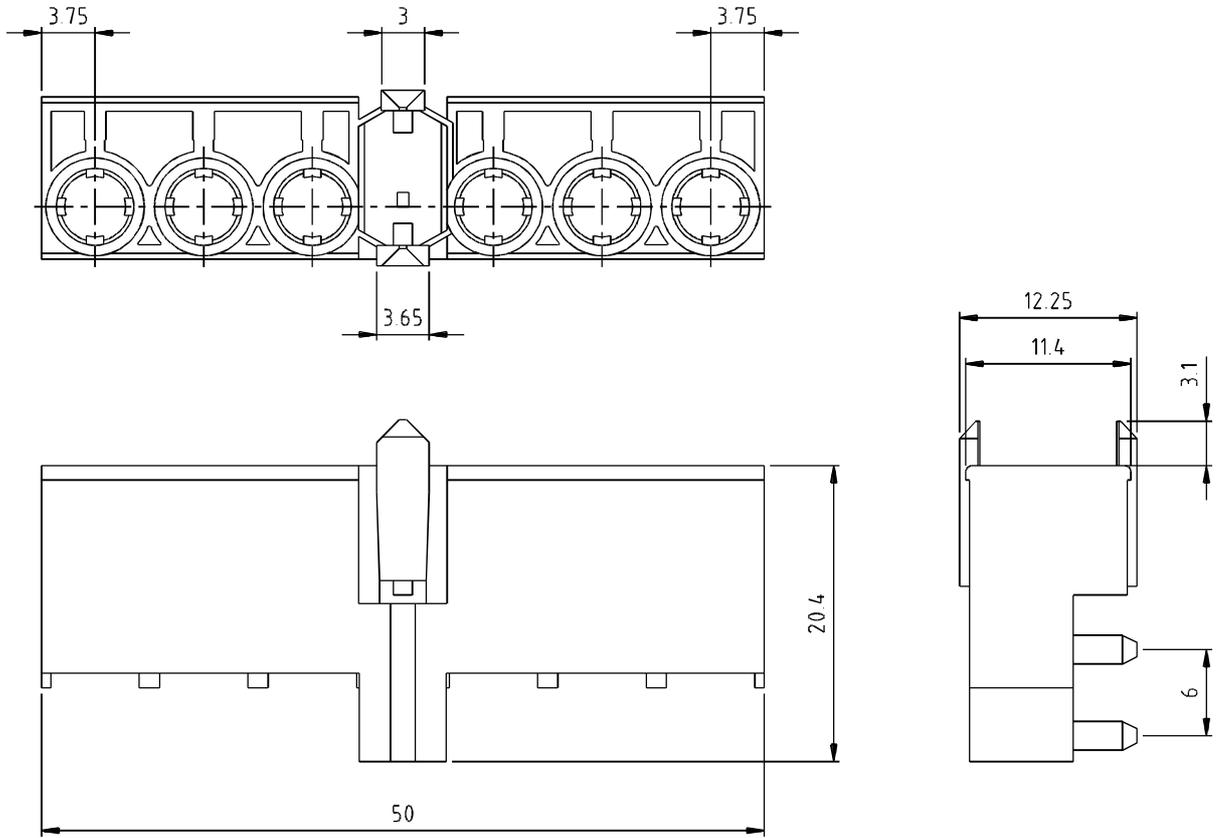
Male Connectors Type L

P/N: 167000-1050

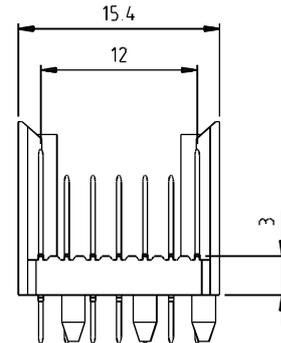
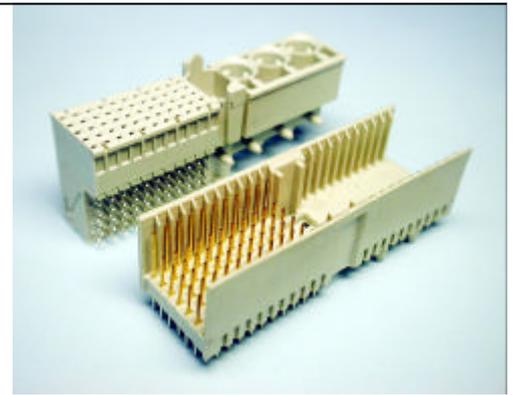
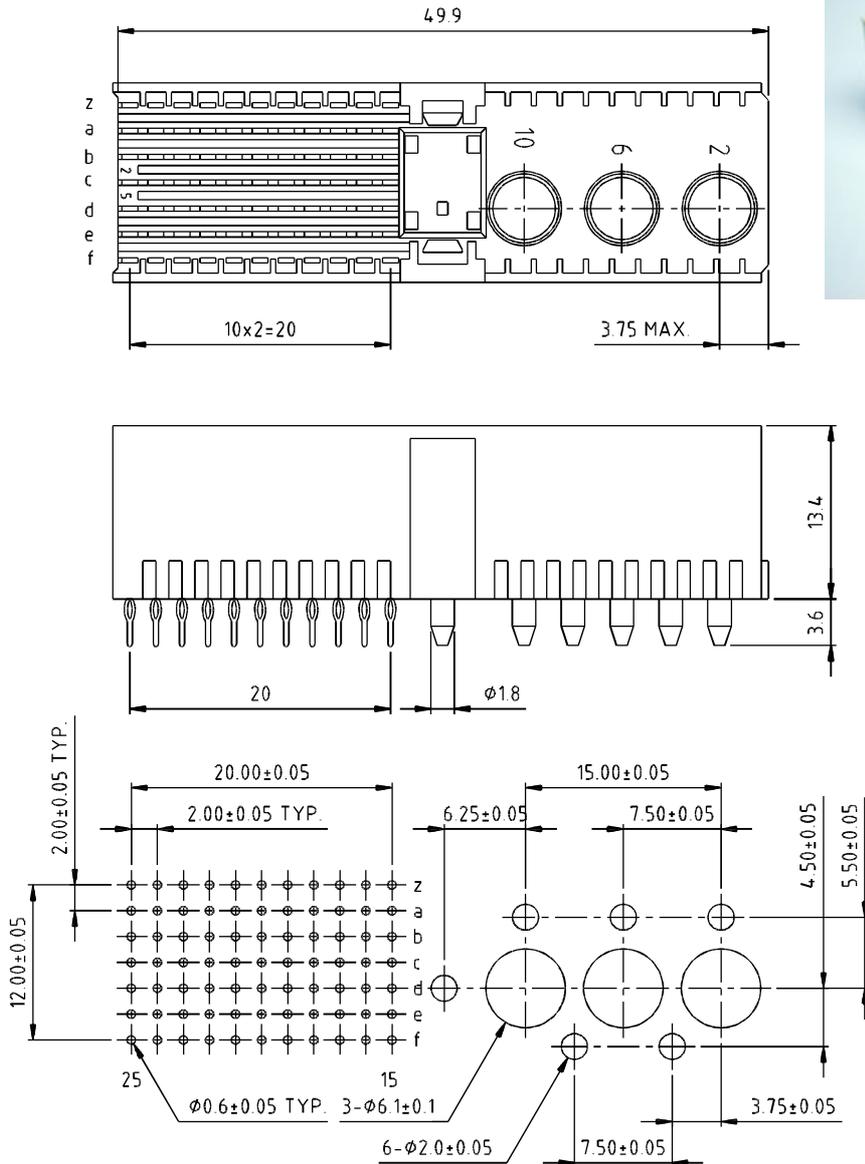


Female Connectors Type L

P/N: 167000-1051



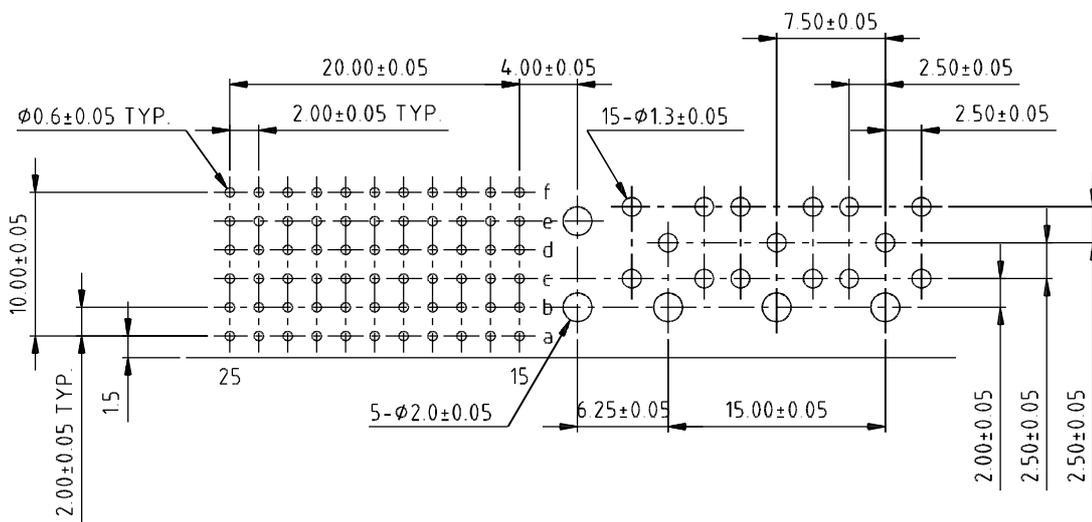
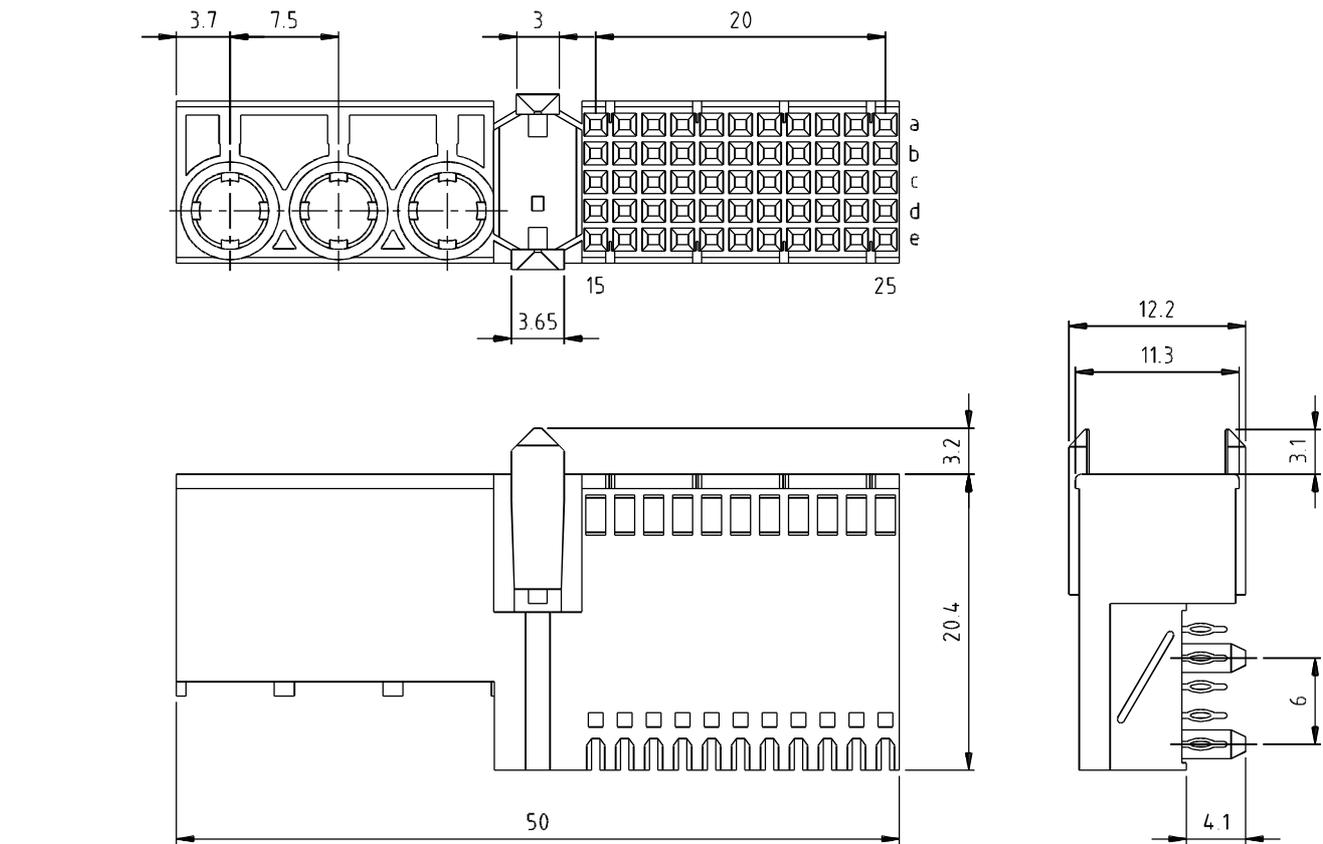
Male Connectors Type M



Ordering Information

Contact Arrangement	No. of Pos.	Contact Type		Part number @30μ" gold
		ROW	TYPE	
<p>Diagram showing contact arrangement for 55+3 pins. Rows z-f contain 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1 pins respectively. Rows a-f contain 10, 6, and 2 pins respectively.</p>	55+3	z a b c d e f	- A A A A A -	167000-1052
<p>Diagram showing contact arrangement for 77+3 pins. Rows z-f contain 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1 pins respectively. Rows a-f contain 10, 6, and 2 pins respectively.</p>	77+3	z a b c d e f	C A A A A C	167000-1053

Female Connectors Type M

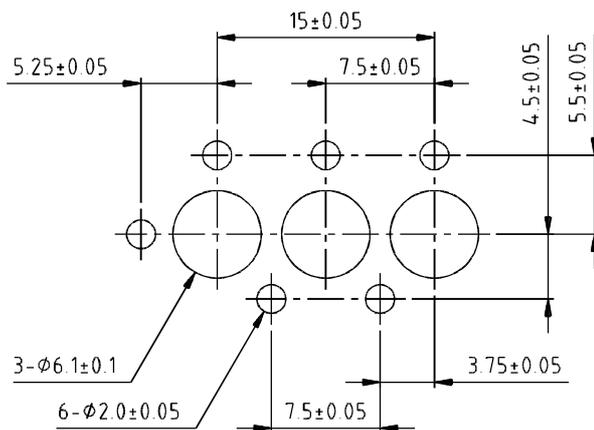
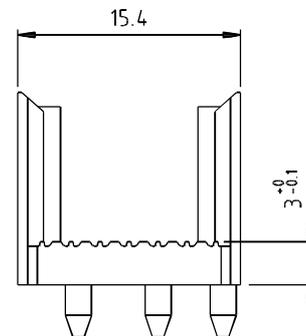
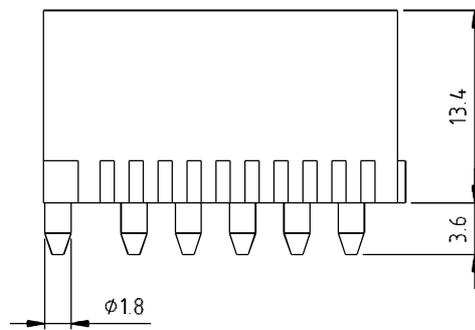
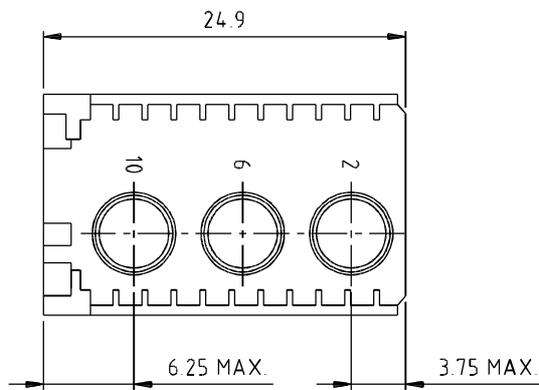
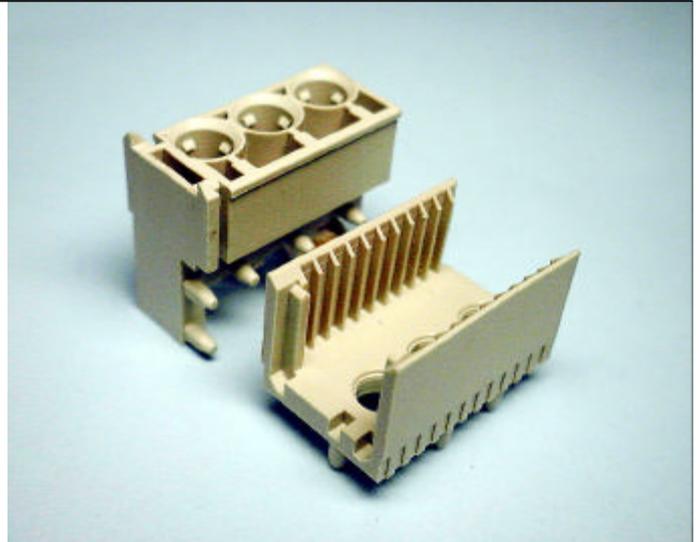


Ordering Information

Part Number	Mating Area Finish	Description
167000-1054	30 μ " gold (standard)	55+3 pos., w/o upper shielding pre-installed
167000-1055	30 μ " gold (standard)	55+3 pos., w/upper shielding pre-installed
167000-1056	30 μ " gold (standard)	Optional upper Shielding
167000-1057	30 μ " gold (standard)	Optional bottom Shielding

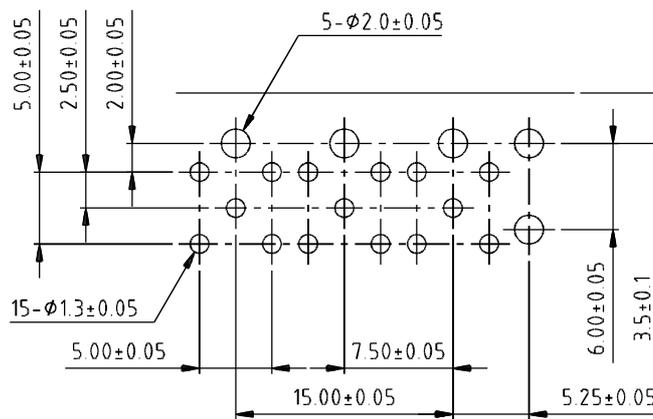
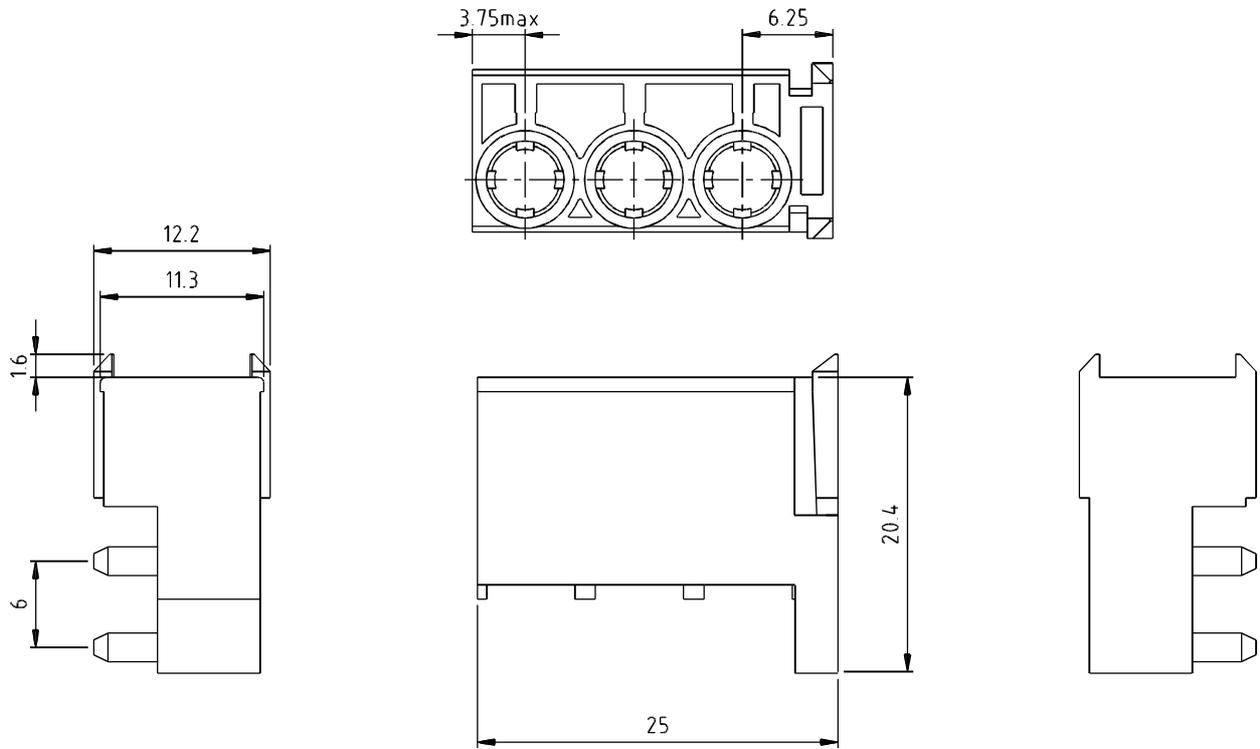
Male Connectors Type N

P/N: 167000-1058



Female Connectors Type N

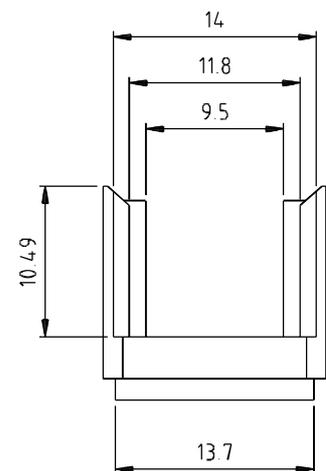
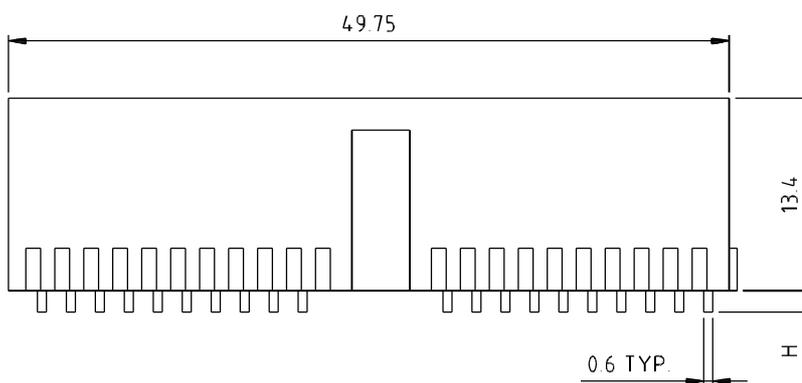
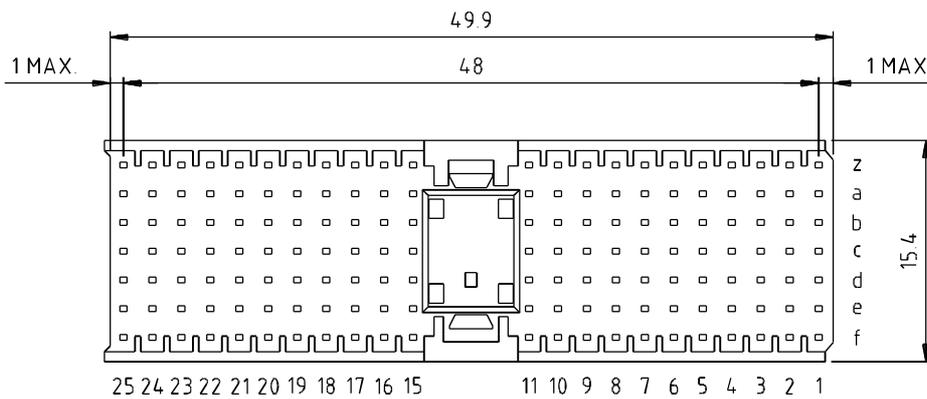
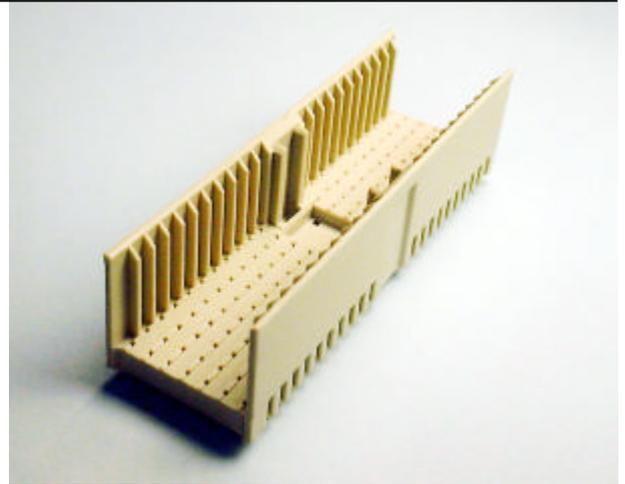
P/N: 167000-1059



Shroud for Male Connectors Type A

Ordering Information

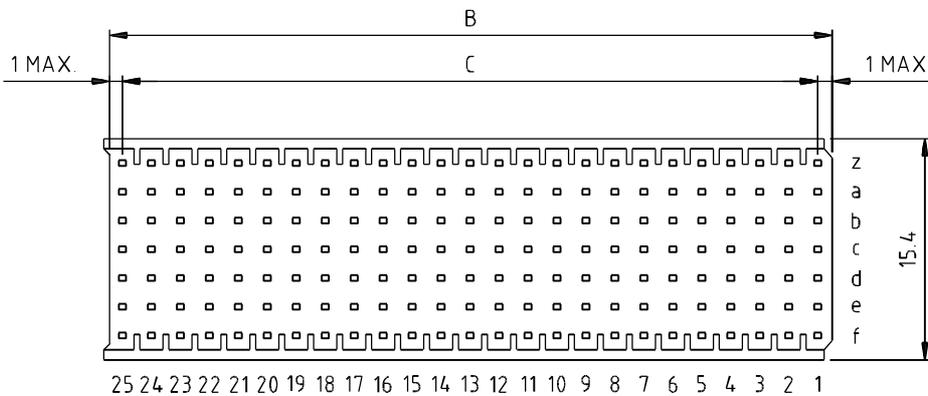
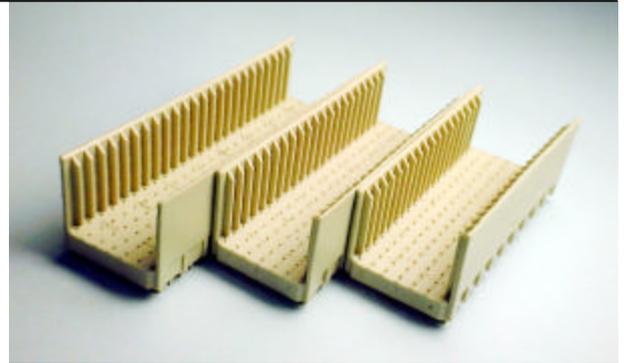
Part Number	DIM "H"
167000-1060	0.9
167000-1061	1.1
167000-1062	1.3
167000-1063	1.5
167000-1064	1.7
167000-1065	1.9



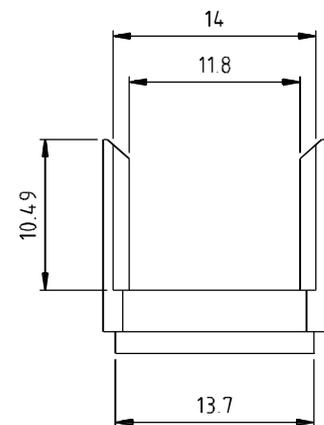
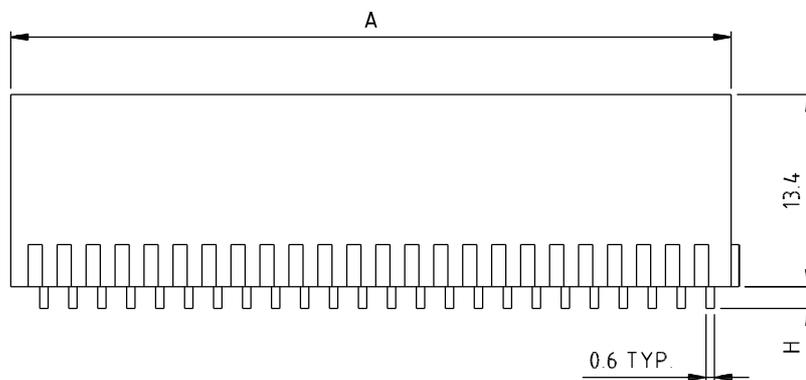
Shroud for Male Connectors Type B25/B22/B19

Ordering Information

Part Number	Type	DIM "H"
167000-1066	B25	0.9
167000-1067	B25	1.1
167000-1068	B25	1.3
167000-1069	B25	1.5
167000-1070	B25	1.7
167000-1071	B25	1.9
167000-1072	B22	0.9
167000-1073	B22	1.1
167000-1074	B22	1.3
167000-1075	B22	1.5
167000-1076	B22	1.7
167000-1077	B22	1.9
167000-1078	B19	0.9
167000-1079	B19	1.1
167000-1080	B19	1.3
167000-1081	B19	1.5
167000-1082	B19	1.7
167000-1083	B19	1.9



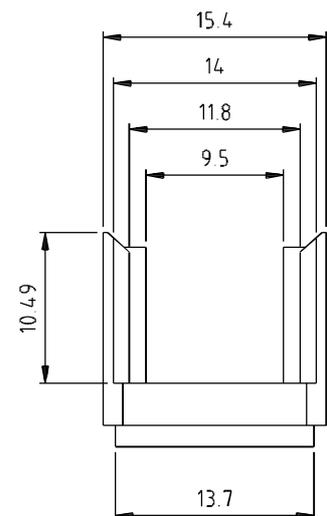
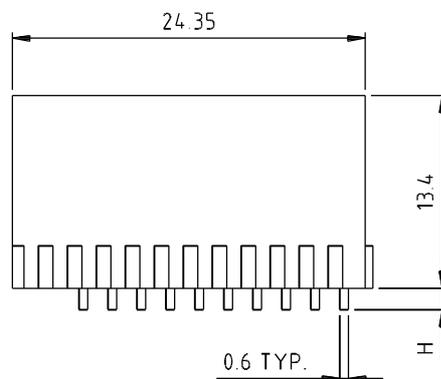
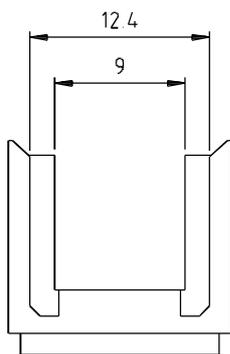
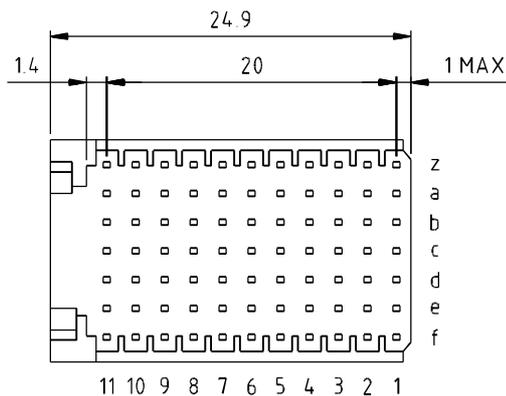
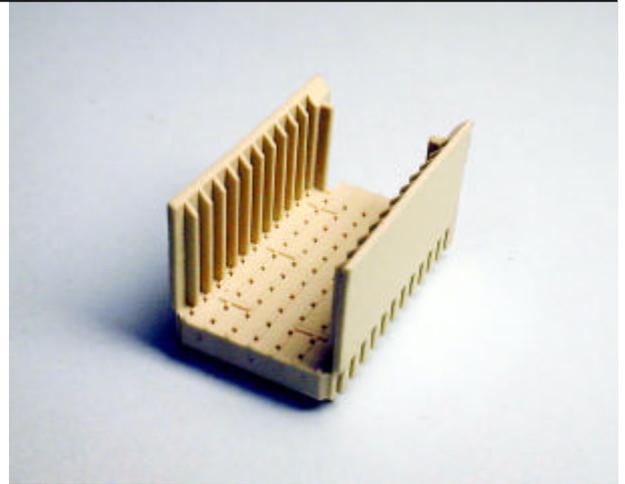
25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



Shroud for Male Connectors Type C

Ordering Information

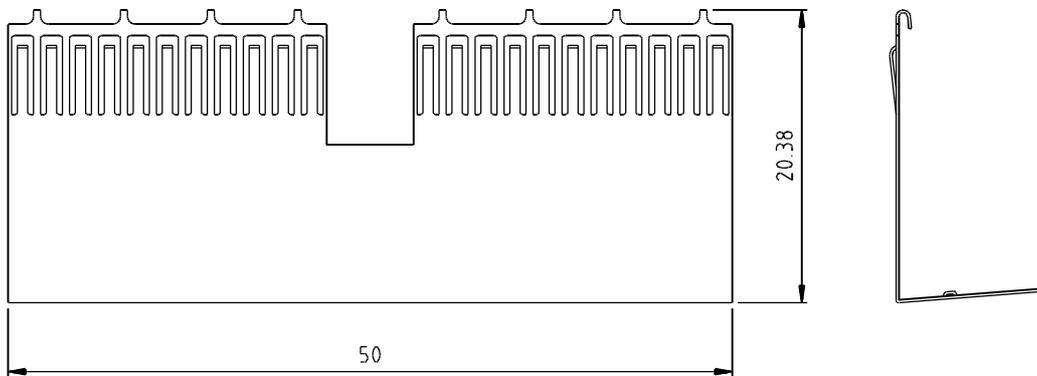
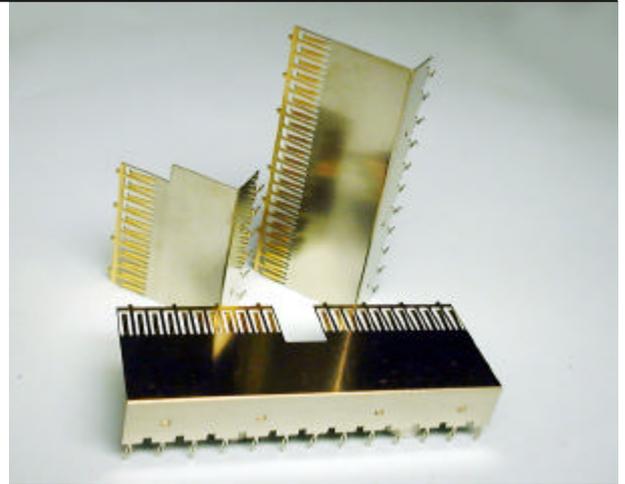
Part Number	DIM "H"
167000-1084	0.9
167000-1085	1.1
167000-1086	1.3
167000-1087	1.5
167000-1088	1.7
167000-1089	1.9



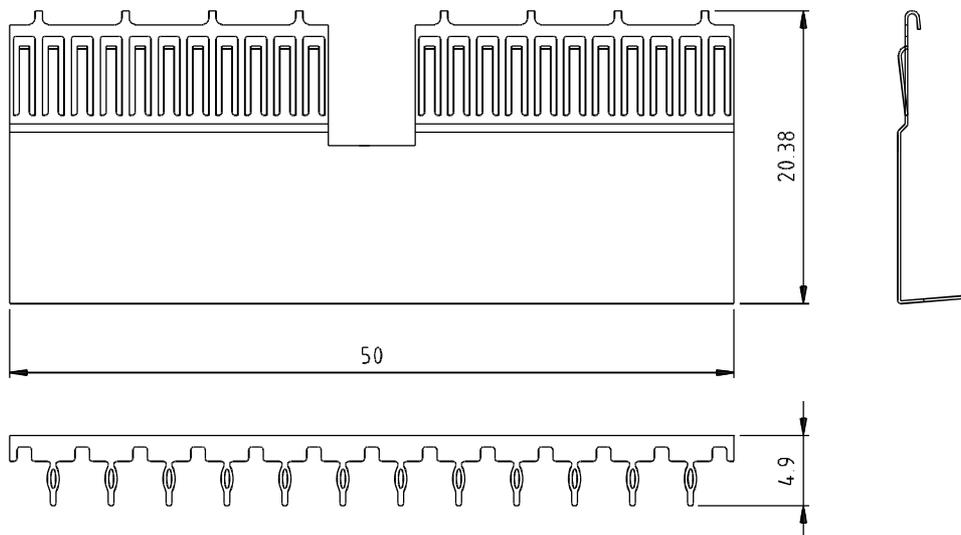
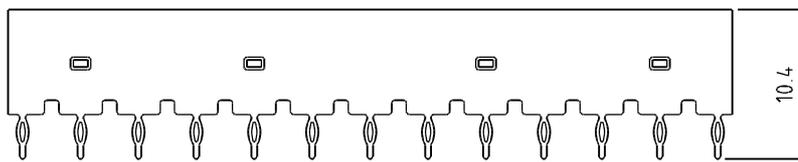
Shielding for Female Connectors Type A

Ordering Information

Part Number	Description
167000-1013	upper shielding cover
167000-1014	Bottom shielding cover



Upper Shielding Cover

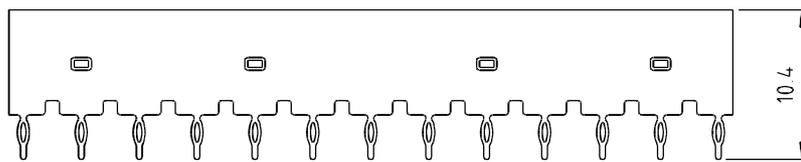
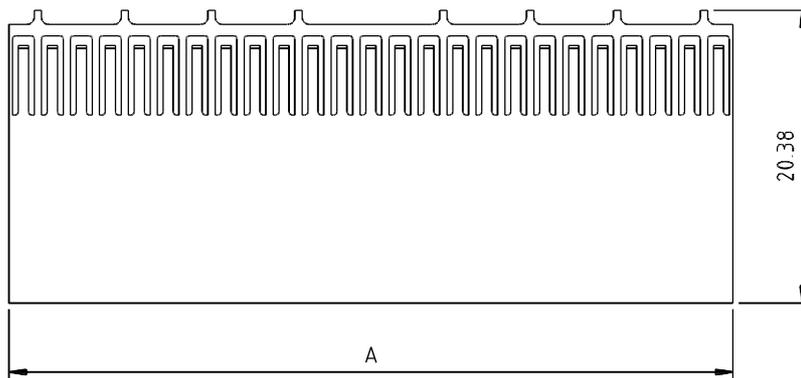


Bottom Shielding Cover

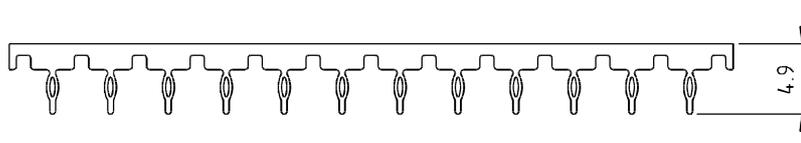
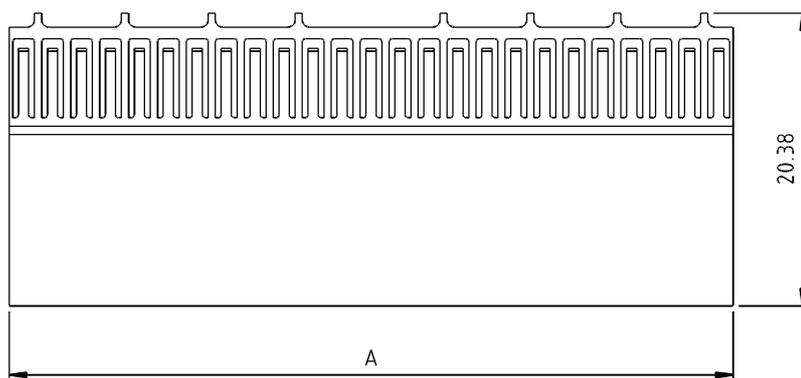
Shielding Cover for Female Connectors Type B25/B22/B19

Ordering Information

Part Number	Type	DIM A	Description
167000-1021	B25	50	Upper shielding cover
167000-1022	B25	50	Bottom shielding cover
167000-1031	B22	44	Upper shielding cover
167000-1032	B22	44	Bottom shielding cover
167000-1040	B19	38	Upper shielding cover
167000-1041	B19	38	Bottom shielding cover



Upper Shielding Cover

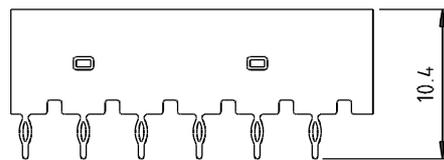
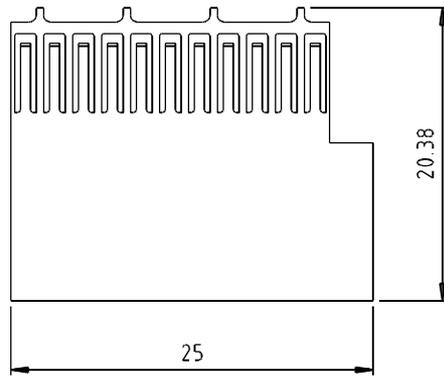


Bottom Shielding Cover

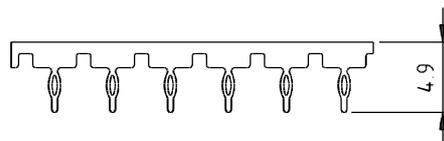
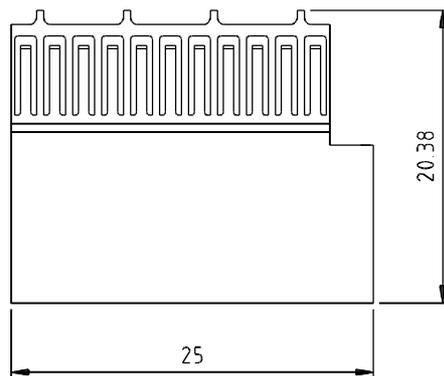
Shielding Cover for Female Connectors Type C

Ordering Information

Part Number	Description
167000-1048	upper shielding cover
167000-1049	Bottom shielding cover



Upper Shielding Cover



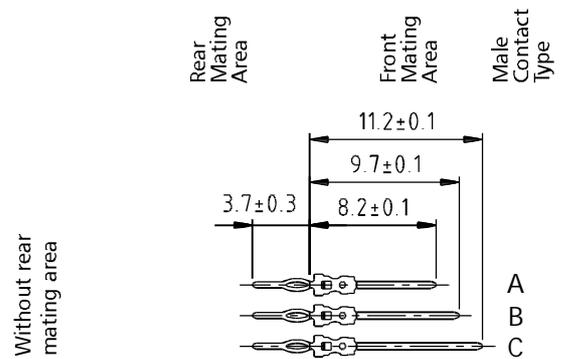
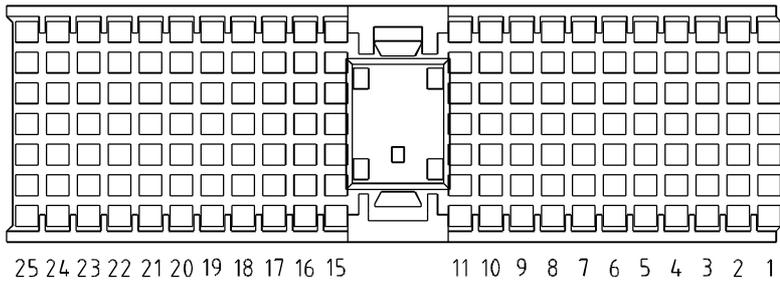
Bottom Shielding Cover

Coding for male & female connectors

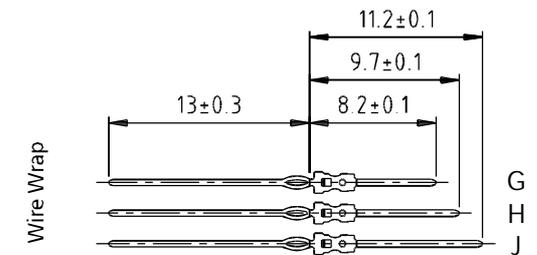
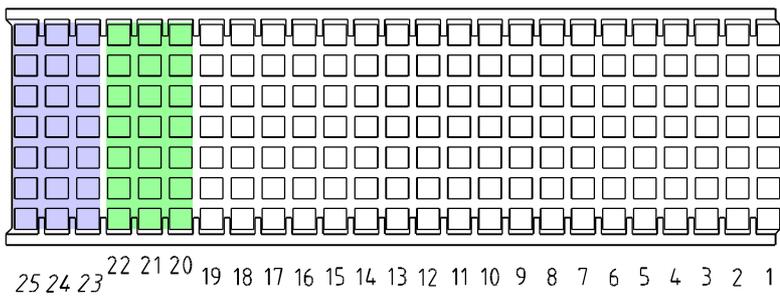
Male Connector				Female Connector			
Coding Key	Code No.	Color	Part Number	Coding Key	Code No.	Color	Part Number
	1236	Nut brown	167000-1090		4578	Nut brown	167000-1190
	1248	Strawberry red	167000-1091		3567	Strawberry red	167000-1191
	1356	Blue lilac	167000-1092		2478	Blue lilac	167000-1192
	1567	Brilliant blue	167000-1093		2348	Brilliant blue	167000-1193
	2578	Reseda green	167000-1094		1346	Reseda green	167000-1194
	3456	Cadmium yellow	167000-1095		1278	Cadmium yellow	167000-1195
	3467	Slate grey	167000-1096		1258	Slate grey	167000-1196
	3478	Steel blue	167000-1097		1256	Steel blue	167000-1197
	3568	Pastel orange	167000-1098		1247	Pastel orange	167000-1198
	4678	Ochre yellow	167000-1099		1235	Ochre yellow	167000-1199

Company name:																									
Contact name:																									
E-mail address:																									
Phone Number:								EXT#								FAX Number:									

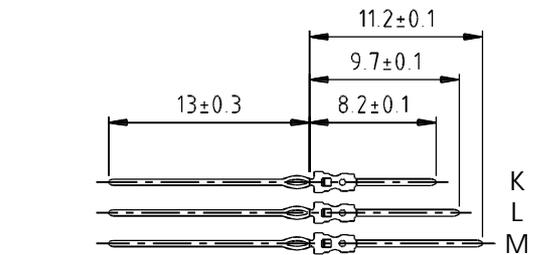
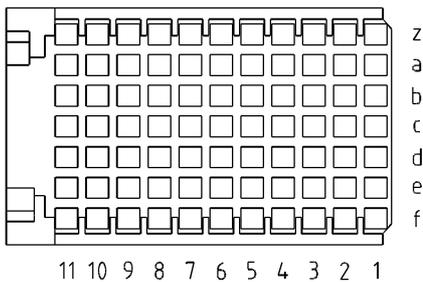
Type A



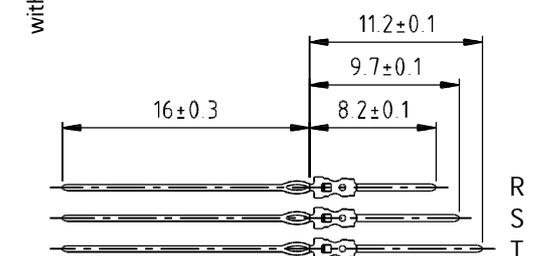
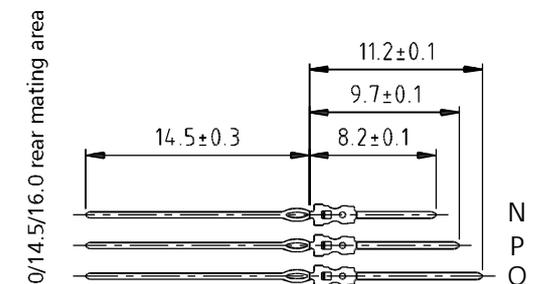
Type B25, Type B22, Type B19



Type C



Comments:



Part Number Index

Part Number	Description	Page	Part Number	Description	Page
167000-1001	110-pos, Male A connector	8	167000-1051	Female L type connector	19
167000-1002	110-pos, Male A connector	8	167000-1052	55+3 pos, Male M connector	20
167000-1003	154-pos, Male A connector	8	167000-1053	77+3 pos, Male M connector	20
167000-1004	154-pos, Male A connector	8	167000-1054	55+3 pos, female M w/shielding	21
167000-1005	154-pos, Male A connector	8	167000-1055	55+3 pos, female M w/o shielding	21
167000-1006	154-pos, Male A connector	8	167000-1056	Female M top shielding	21
167000-1007	154-pos, Male A connector	8	167000-1057	Female M bottom shielding	21
167000-1008	100-pos, Male A connector	8	167000-1058	Male N type connector	22
167000-1009	110-pos, Female A w/shielding	9	167000-1059	Female N type connector	23
167000-1010	110-pos, Female A w/o shielding	9	167000-1060	Male A shrouds, 0.9 stand-off	24
167000-1011	90-pos, Female A w/shielding	9	167000-1061	Male A shrouds, 1.1 stand-off	24
167000-1012	90-pos, Female A w/o shielding	9	167000-1062	Male A shrouds, 1.3 stand-off	24
167000-1013	Female A top shielding	9/27	167000-1063	Male A shrouds, 1.5 stand-off	24
167000-1014	Female A bottom shielding	9/27	167000-1064	Male A shrouds, 1.7 stand-off	24
167000-1015	125-pos, Male B25 connector	11	167000-1065	Male A shrouds, 1.9 stand-off	24
167000-1016	125-pos, Male B25 connector	11	167000-1066	Male B25 shrouds, 0.9 stand-off	25
167000-1017	175-pos, Male B25 connector	11	167000-1067	Male B25 shrouds, 1.1 stand-off	25
167000-1018	175-pos, Male B25 connector	11	167000-1068	Male B25 shrouds, 1.3 stand-off	25
167000-1019	90-pos, Female B25 w/Shielding	14	167000-1069	Male B25 shrouds, 1.5 stand-off	25
167000-1020	90-pos, Female B25 w/o Shielding	14	167000-1070	Male B25 shrouds, 1.7 stand-off	25
167000-1021	Female B25 top shielding	14/28	167000-1071	Male B25 shrouds, 1.9 stand-off	25
167000-1022	Female B25 bottom shielding	14/28	167000-1072	Male B22 shrouds, 0.9 stand-off	25
167000-1023	110-pos, Male B22 connector	12	167000-1073	Male B22 shrouds, 1.1 stand-off	25
167000-1024	110-pos, Male B22 connector	12	167000-1074	Male B22 shrouds, 1.3 stand-off	25
167000-1025	154-pos, Male B22 connector	12	167000-1075	Male B22 shrouds, 1.5 stand-off	25
167000-1026	154-pos, Male B22 connector	12	167000-1076	Male B22 shrouds, 1.7 stand-off	25
167000-1027	154-pos, Male B22 connector	12	167000-1077	Male B22 shrouds, 1.9 stand-off	25
167000-1028	154-pos, Male B22 connector	12	167000-1078	Male B19 shrouds, 0.9 stand-off	25
167000-1029	95-pos, Female B22 w/Shielding	14	167000-1079	Male B19 shrouds, 1.1 stand-off	25
167000-1030	95-pos, Female B22 w/o Shielding	14	167000-1080	Male B19 shrouds, 1.3 stand-off	25
167000-1031	Female B22 top shielding	14/28	167000-1081	Male B19 shrouds, 1.5 stand-off	25
167000-1032	Female B22 bottom shielding	14/28	167000-1082	Male B19 shrouds, 1.7 stand-off	25
167000-1033	95-pos, Male B19 connector	13	167000-1083	Male B19 shrouds, 1.9 stand-off	25
167000-1034	95-pos, Male B19 connector	13	167000-1084	Male C shrouds, 0.9 stand-off	26
167000-1035	133-pos, Male B19 connector	13	167000-1085	Male C shrouds, 1.1 stand-off	26
167000-1036	133-pos, Male B19 connector	13	167000-1086	Male C shrouds, 1.3 stand-off	26
167000-1037	133-pos, Male B19 connector	13	167000-1087	Male C shrouds, 1.5 stand-off	26
167000-1038	95-pos, Female B19 w/Shielding	14	167000-1088	Male C shrouds, 1.7 stand-off	26
167000-1039	95-pos, Female B19 w/o Shielding	14	167000-1089	Male C shrouds, 1.9 stand-off	26
167000-1040	Female B19 top shielding	14/28	167000-1090	Male coding 1236, nut brown	30
167000-1041	Female B19 bottom shielding	14/28	167000-1091	Male coding 1248, strawberry red	30
167000-1042	55-pos, Male C connector	16	167000-1092	Male coding 1356, blue lilac	30
167000-1043	55-pos, Male C connector	16	167000-1093	Male coding 1567, brilliant blue	30
167000-1044	77-pos, Male C connector	16	167000-1094	Male coding 2578, reseda green	30
167000-1045	77-pos, Male C connector	16	167000-1095	Male coding 3456, cadmium yellow	30
167000-1046	55-pos, Female C w/shielding	17	167000-1096	Male coding 3467, slate grey	30
167000-1047	55-pos, Female C w/o shielding	17	167000-1097	Male coding 3478, steel blue	30
167000-1048	Female C top shielding	17/29	167000-1098	Male coding 3568, pastel orange	30
167000-1049	Female C bottom shielding	17/29	167000-1099	Male coding 4678, ochre yellow	30
167000-1050	Male L type connector	18	167000-1100		

Part Number Index

Part Number	Description	Page	Part Number	Description	Page
167000-1101			167000-1151		
167000-1102			167000-1152		
167000-1103			167000-1153		
167000-1104			167000-1154		
167000-1105			167000-1155		
167000-1106			167000-1156		
167000-1107			167000-1157		
167000-1108			167000-1158		
167000-1109			167000-1159		
167000-1110			167000-1160		
167000-1111			167000-1161		
167000-1112			167000-1162		
167000-1113			167000-1163		
167000-1114			167000-1164		
167000-1115			167000-1165		
167000-1116			167000-1166		
167000-1117			167000-1167		
167000-1118			167000-1168		
167000-1119			167000-1169		
167000-1120			167000-1170		
167000-1121			167000-1171		
167000-1122			167000-1172		
167000-1123			167000-1103		
167000-1124			167000-1174		
167000-1125			167000-1175		
167000-1126			167000-1176		
167000-1127			167000-1177		
167000-1128			167000-1178		
167000-1129			167000-1179		
167000-1130			167000-1180		
167000-1131			167000-1181		
167000-1132			167000-1182		
167000-1133			167000-1183		
167000-1134			167000-1184		
167000-1135			167000-1185		
167000-1136			167000-1186		
167000-1137			167000-1187		
167000-1138			167000-1188		
167000-1139			167000-1189		
167000-1140			167000-1190	Female coding 4578, nut brown	30
167000-1141			167000-1191	Female coding 3657, strawberry red	30
167000-1142			167000-1192	Female coding 2478, blue lilac	30
167000-1143			167000-1193	Female coding 2348, brilliant blue	30
167000-1144			167000-1194	Female coding 1346, reseda green	30
167000-1145			167000-1195	Female coding 1278, cadmium yellow	30
167000-1146			167000-1196	Female coding 1258, slate grey	30
167000-1147			167000-1197	Female coding 1256, steel blue	30
167000-1148			167000-1198	Female coding 1247, pastel orange	30
167000-1149			167000-1199	Female coding 1235, ochre yellow	30
167000-1150			167000-1200		

Cannon Worldwide Facilities

Austria

Afrikanergasse 3
A-1020 Vienna
Fax: (1) 2160948 Phone: (1)2160947

Benelux:

Rue Col. Bourg Str. 105A
B-1140 Brussels, Belgium
Fax: (02) 726 92 01 Phone: (02) 726 75 94

China

No. 24, 2 Block
Taohuawa New District
Zhenjiang, Jiangsu
P.R.C.
Fax: 511 4428616 Phone: 511 4427111

Denmark

Park Alle 287 A
Dk-2605 Bronby
Fax: 43 43 58 58 Phone: 43 45 52 88

Finland

Sarkatie 2
FIN-01720 Vantaa
Fax: 358 9 7003 9188 Phone: 358 9 7003 9180

France

2, Ave Sablons Bouillants, B.P 133
F-77107 Meaux Cedex
Fax: (1) 64 33 16 82 Phone: (1) 64 33 48 05

Germany

Postfach 11 20
Cannonstrasse 1
D-71365 Weinstadt
Fax: (07151) 699217 Phone: (07151) 699-0

Hong Kong

901 New World Office Building
West Wing, 20 Salisbury Road
Kowloon
Fax: (852) 2732-2919 Phone: (852) 2732-2720

Israel

ARO-TECH
14 Hamashot St,
POB 44 47
75143 Rishon Lezion
FAX:(3)951 31 01 Phone: (3) 951 30 99

Italy

Via Panseri 10
20123 Milano
FAX: (02) 8372036 Phone: (2) 581801

Japan

5362-1, 5 chome, Hibarigaoka
Zama-shi Kanagawa-ken 228
FAX: 0462-57-1680 Phone: 0462-57-2010

Korea

620, Changkang Bldg.
#22, Dohwa-dong, Mapo-ku
Seoul
FAX: (02) 717 7330 Phone: (02) 702 7111

Norway

Frank El-Mek A/S
Postboks 42, Smestad
0309 Oslo
FAX: 22 50 32 05 Phone: 22 50 70 20

Spain

Parque Empresarial San Fernando
Edificio Italia 1ª Planta
28831 S. Fernando de Henares
Madrid
FAX: (34) 1 656 15 83 Phone: (34) 1 656 03 11

Sweden

Norr Malarstrand 64
Jaktvarvet 1
S 112 35 Stockholm
FAX: (46) 8 650 0072 Phone: (46) 8 650 0071

Switzerland

Herzogenmuehle 18
8304 Wallisellen Phone: (01) 830-3888
FAX: (01) 830-3104 Phone: (01)830-3613

Taiwan

9F-3, 1249, Chung-Cheng Road
Taoyuan City, Taoyuan Hsien
Taiwan, R.O.C.
Fax: (886) 3 3575185 Phone: (886) 3 3575220

United Kingdom

Jays Close, Viabes Estate
Basingstoke Hants RG22 4BW
FAX: (01256) 323356 Phone: (01256) 311200

United States

ITT Cannon
666 E. Dyer Road
Santa Ana, CA 92705-5612
FAX: (714) 754-2142 Phone: (714) 557-4700

Internet Web Site- <http://www.ittcannon.com>

In line with a policy of continual product development, Cannon reserves the right to change the specification of the components described in this catalogue at any time and without notice.

P2HM Sep/2000 ITT Industries, Cannon Division
Printed in Taiwan, All rights reserved

Cannon



ITT Industries
Engineered for life