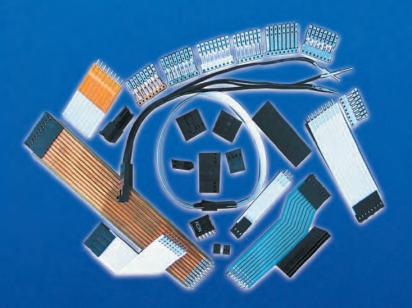


Australian Representatives ROJONE, PTY LTD.

Tel: 02 9829 1555 E: sales@rojone.com.au www.rojone.com.au



C R I M P F L E X [®]
C O N N E C T O R S







CRIMPFLEX® connectors

	CRIMPFLEX® CONNECTORS	
	Technical data	3
		4
5	CRIMPFLEX® CRIMPING	
1	Description	4
ř	FEMALE CONTACTS	
_	Typical contact application	
	Female contact with low insertion force	
	Female contact with high insertion force	
1	Female contact "Hi-Flex"	8
	(N) S) - { = }	
	MALE PINS	
	Typical male pin application	9
	0.635 mm (.025") square male contact	
	0.635 mm (.025") reverse square male contact	
	Short square male pin	.12
	M	
	MALE SOLDER TABS	
	Solder tabs environment	:13
	Standard short male solder tab	
	Standard male solder tab	.15
	Retention short male solder tab	.16
	Retention male solder tab Double retention male solder tab	.17
	Double retention male solder tab	.18
7)	Long male solder tab	.19
//	/	
	CRIMPFLEX® HOUSINGS Technical data20	- 4
	lecnnical data20	-21
	Accessories : polarization keys	.21
	Housing OFxx series	.22
	Housing 4Fxx series	.22
7	Housing 2Exx series	.23
(Housing 4Exx series	.∠ა
1	Housing 1Exx series	24
1	Housing OLyx corios	,24 25
11	Housing OLxx series	.25 25
Ų	Housing Opyy series	.20
1	Housing OPxx series	.20
1		
7	Housing Texx series	.21
/	Housing 1Pxx series	21

CRIMPFLEX® MACHINES	
Manual press	28
Pneumatic press	29
JUMPER CABLES	
Technical data	
Part numbering	3
FFC CARD CABLE	
Technical data	32
Technical dataPart numbering	33
HEADERS AND SOCKETS	
Technical data	34
Standard headers	
Walled headers	35
Standard and low profile sockets	36
Straight & Right Angle Headers	37
INDEX	38
-4	
NOTES	39-40
OTHER NICOMATIC PRODUCTS	

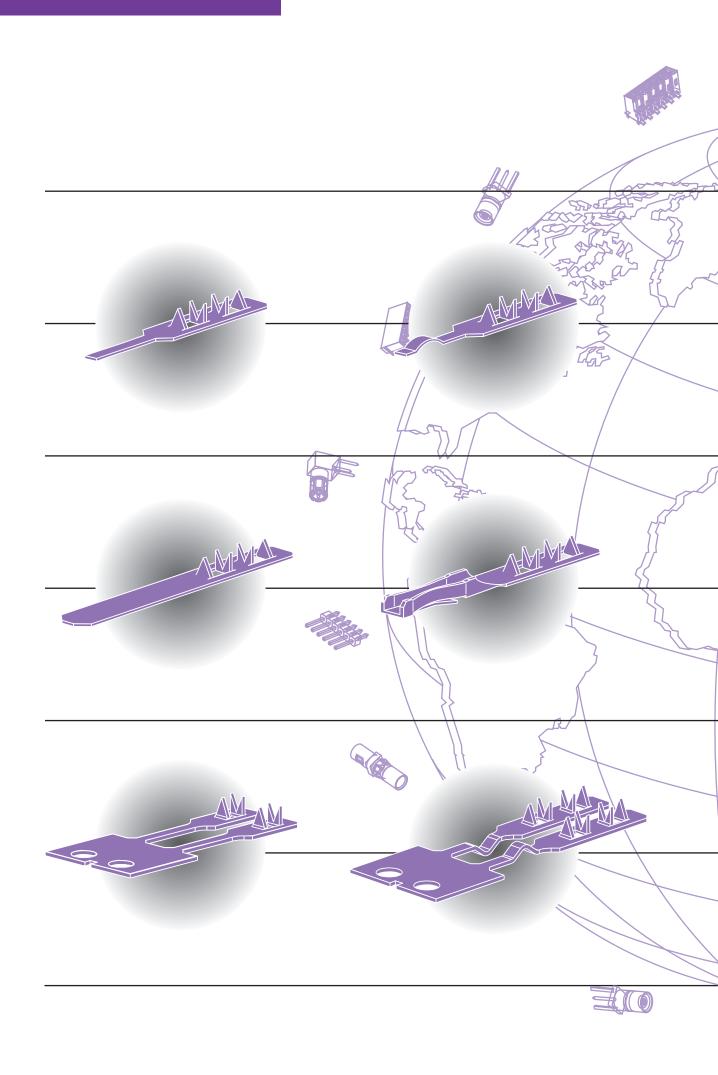




Please, contact us! www.nicomatic.com

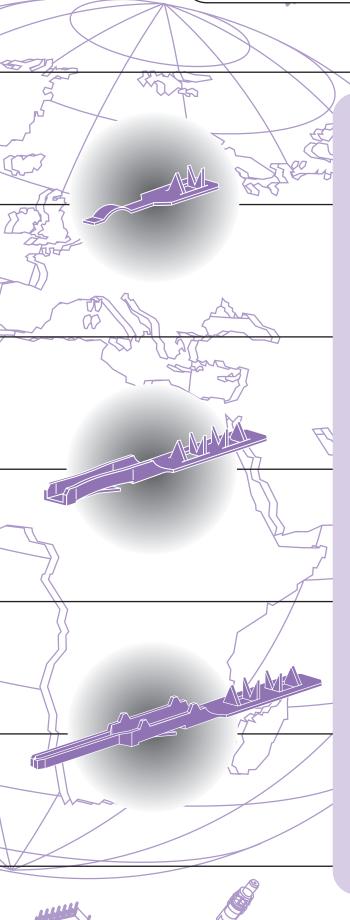








CRIMPFLEX® connectors





TECHNICAL DATA

MATERIAL

Phosphor bronze

MALE SOLDER TAB PLATING

■ The standard connector is tin plated (thickness : Ni 2μ + Sn 5μ)

MALE PINS AND FEMALE CONTACTS PLATING

■ The standard connector is tin plated (thickness : Ni 2μ + Sn 5μ)

■ Selective gold plating in mating area (thickness : Ni 2μ + Au 0.15μ)

Other thickness plating available

CERTIFICATIONS

■ UL: E 125469 (Component - Connectors For Use In Data, Signal, Control And Power Applications)

MECHANICAL SPECIFICATIONS

- Crimp strength to laminated cable :
- → 15 N min. (3.3 lbs) perpendicular to the tracks (breaking-up of the conductor)
- ⇒ 50 N min. (11.2 lbs) parallel to the tracks (breaking-up of the conductor)

ELECTRICAL SPECIFICATIONS

■ Contact resistance 5 m Ω max.

■ Contact resistance after environmental tests 6 m Ω max.

Insulation resistance 5.10⁵ M Ω at 500 V

Withstanding voltage 1 100 V RMS

■ Capacitance between two contacts 4 pF max.

■ DC current rating per contact 3 A Continuous

■ AC current rating per contact 5 A Continuous

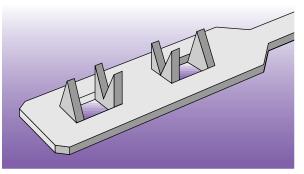
THERMAL SPECIFICATIONS

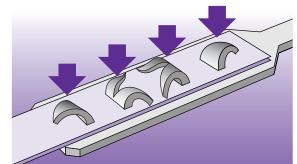
■ Connectors operating temperature -55°C to +150°C

RoHS

complian

CRIMPFLEX® crimping





CRIMPFLEX® system patented by NICOMATIC

DESCRIPTION

Developed and patented by NICOMATIC, the CRIMPFLEX® connection system complies with the most rigorous electrical and mechanical requirements. The crimping of the contacts is obtained by piercing the conductor in 6 points. This ensures excellent mechanical retention by 2 points and electrical contact by 4 points with the lowest possible contact resistance.

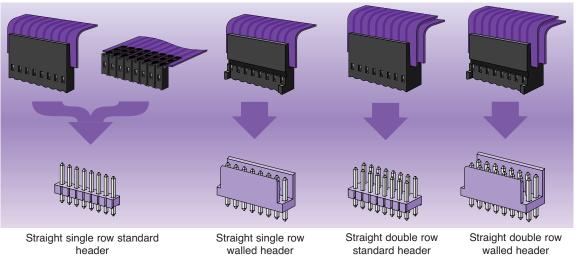
CRIMPING ENVIRONMENT

- Copper conductors, silver or carbon ink printed conductors, EL lamps.
- All types of flexible circuits whose thickness ranges from 75 μ to 350 μ (0.003" to 0.014"). For other dimensions, contact NICOMATIC.
- Can pierce all kinds of supports : polyester, FR4, polyimide, PTFE, etc.

ADVANTAGES

- Use of contacts in reel at final pitch of 2.54 mm (0.100")and 1.27mm (0.050")
- Mass termination of all contacts in one press stroke which saves time and allows more accuracy. NEW 2009
- Crimp is easily inspected.
- The housing is assembled after crimping.
- The width of the circuit is not limited by the width of the housing.
- The housing can be removed.
- The broadest range of connector solutions in the industry.

TYPICAL CONTACT APPLICATION



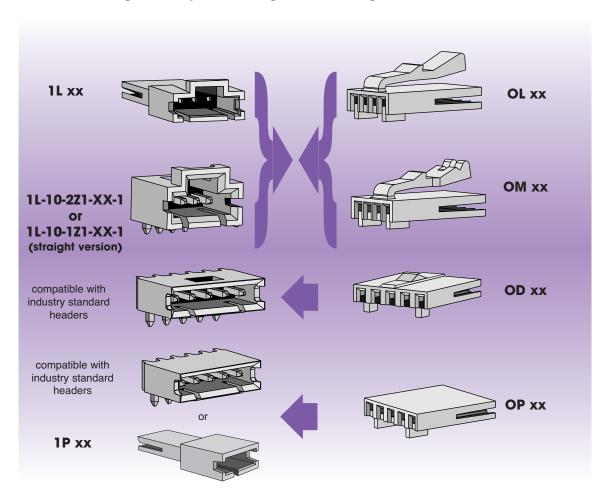
(refer to page 34)

(refer to page 35)

(refer to page 34)

(refer to page 35)

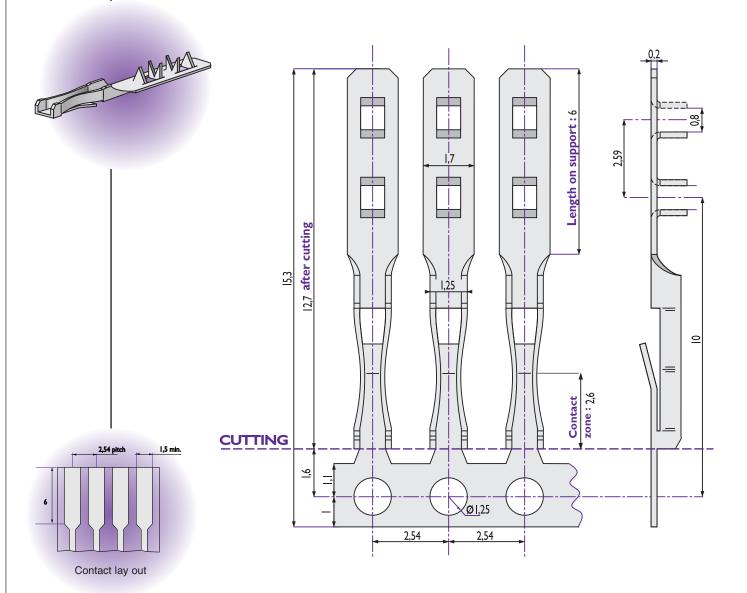
The length of the pin on mating side must range from 4.5 mm to 7 mm.



LOW INSERTION FORCE REF. 11506

- \blacksquare Au = 1.5 N max (5.5 oz)
- Sn = 3 N max (11 oz)

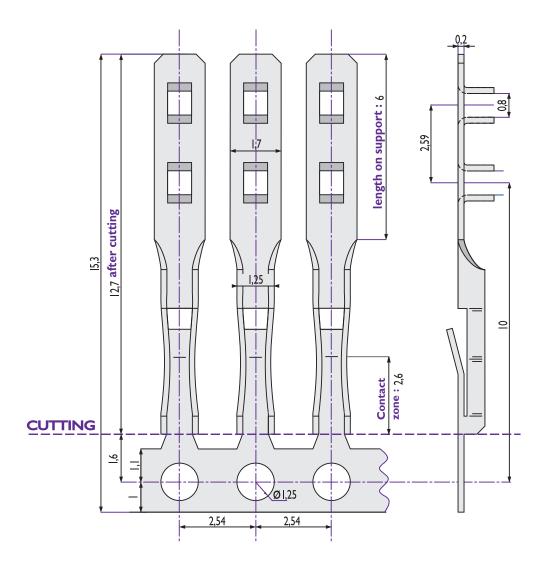
Number of mating cycles = 500 Number of mating cycles = 50

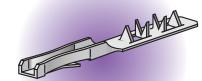


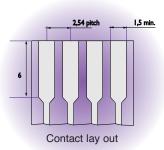
REF.	PLATING	REEL
11506-12	Tin plated	35 000 contacts
11506-32	Selective gold plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

HIGH INSERTION FORCE REF. 10025

- Increased retention for high vibration applications.
- Recommended for a small amount of contacts (2 to 10 contacts).



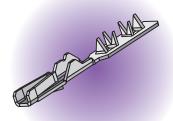


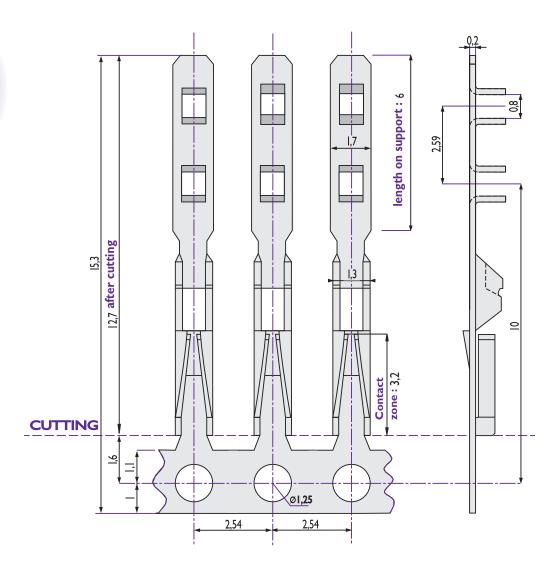


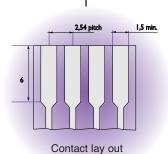
REF.	PLATING	REEL
10025-12	Tin plated	35 000 contacts
10025-32	Selective gold plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

HI-FLEX REF. 14106

- The Hi-Flex female contact is designed to offer a stable insertion force and low contact resistance over a larger number of mating cycles.
- More resistant to damage by bent or angled pins, primarily on test devices.

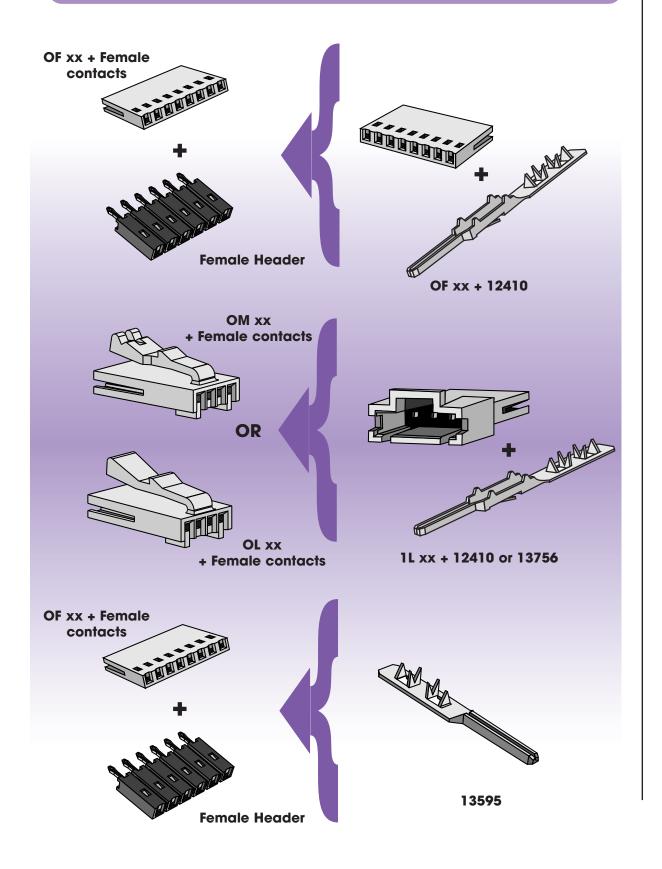






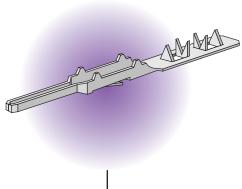
REF.	PLATING	REEL
14106-12	Tin plated	35 000 contacts
14106-32	Selective gold plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

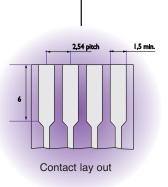
TYPICAL MALE PINS APPLICATION

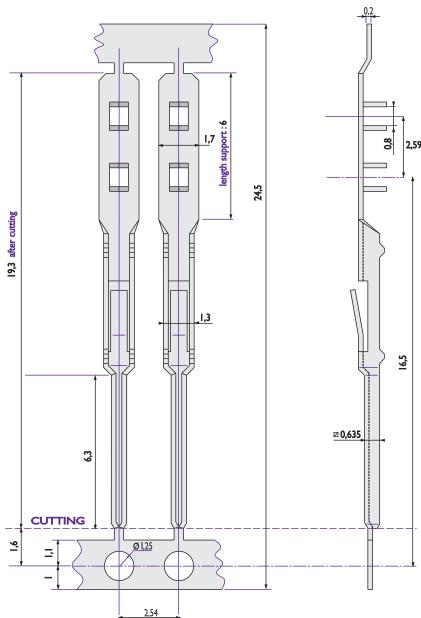


O.635 MM (.025") SQUARE MALE REF. 12410

■ The square male contact will mate with female connectors designed to accept a 0.635 mm (.025") pin header.



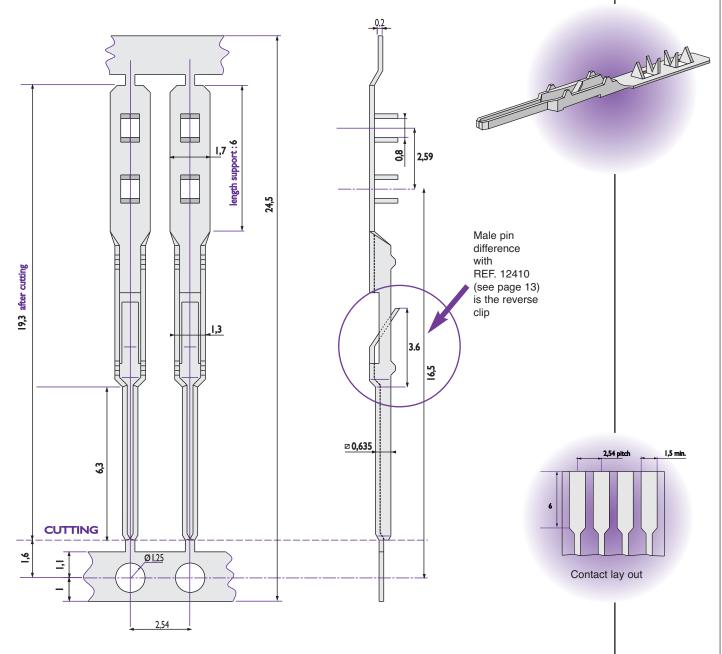




REF.	PLATING	REEL
12410-12	Tin plated	35 000 contacts
12410-32	Selective gold plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

O.635 MM (.025") REVERSE SQUARE MALE REF. 13756

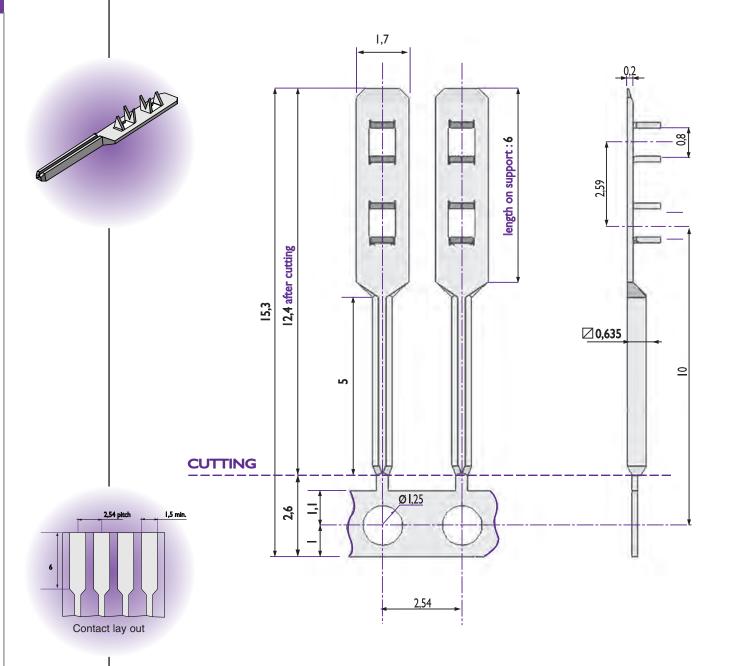
- The square male contact will mate with most female connectors designed to accept a 0.635 mm (.025") pin header.
- This contact is available by special order only.



REF.	PLATING	REEL
13756-12	Tin plated	35 000 contacts
13756-32	Selective gold plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

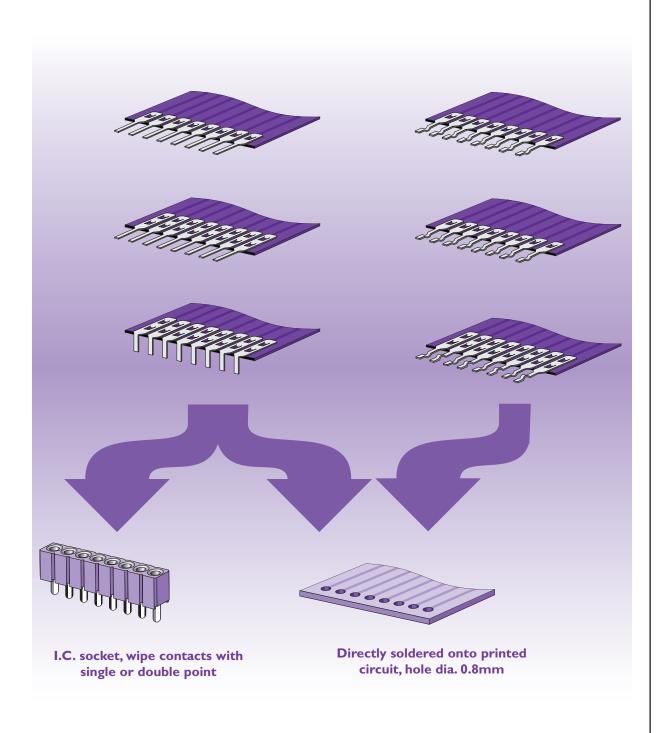
SHORT SQUARE MALE PIN REF. 13595

■ This square male pin allows for the cost effective mating to a female connector or header for use with 0.025" square pins without the use of a housing.



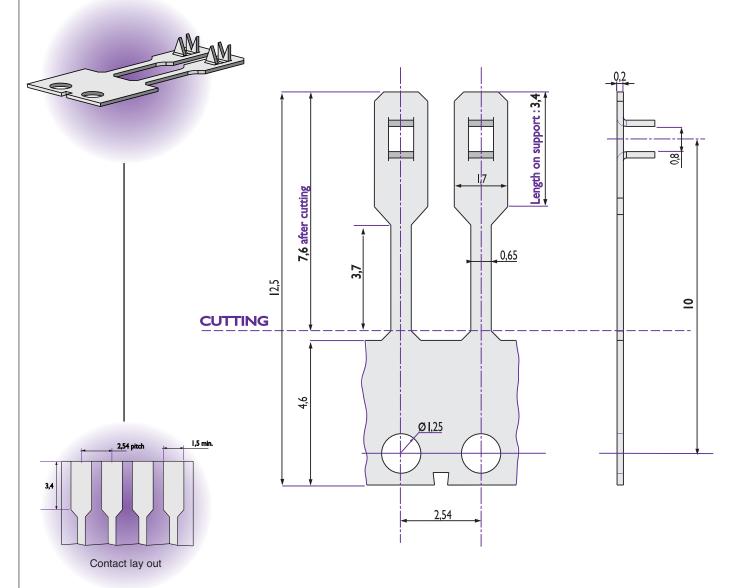
REF.	PLATING	REEL
13595-12	Tin plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

SOLDER TABS ENVIRONMENT



STANDARD SHORT MALE SOLDER TAB REF. 10141

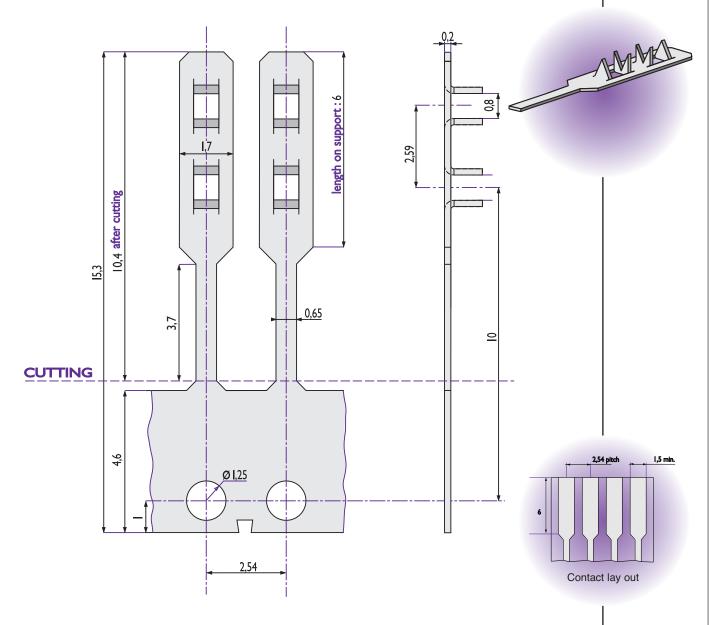
- Widely used in applications with restricted crimped areas requiring male solder tabs.
- To solder or to fit into I.C. sockets or wipe contacts.



REF.	PLATING	REEL
10141-12	Tin plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

STANDARD MALE SOLDER TAB REF. 10241

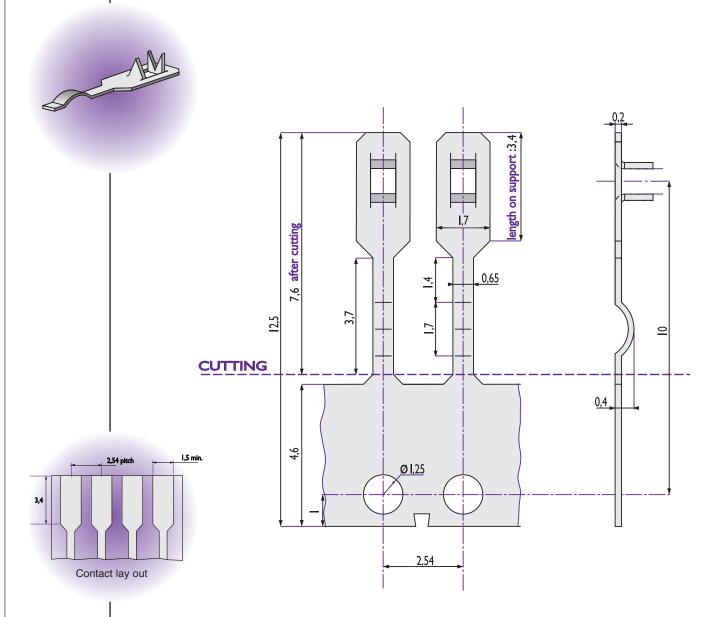
■ Widely used in most applications on flexible supports requiring male solder tabs. To solder or to fit into I.C. sockets or wipe contacts.



REF.	PLATING	REEL
10241-12	Tin plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

RETENTION SHORT MALE SOLDER TAB REF. 10067

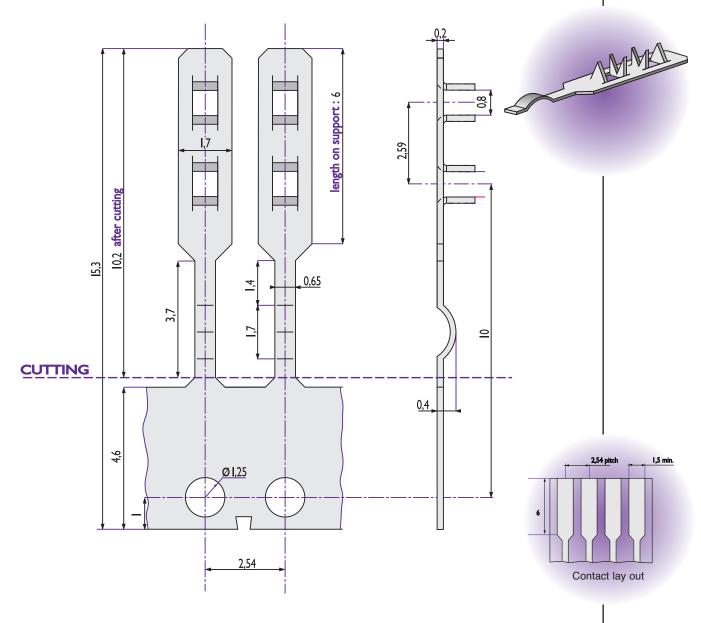
- The crimped section is shorter to comply with high density packaging requirements.
- For use in tight fitting applications.



REF.	PLATING	REEL
10067-12	Tin plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

RETENTION MALE SOLDER TAB REF. 10167

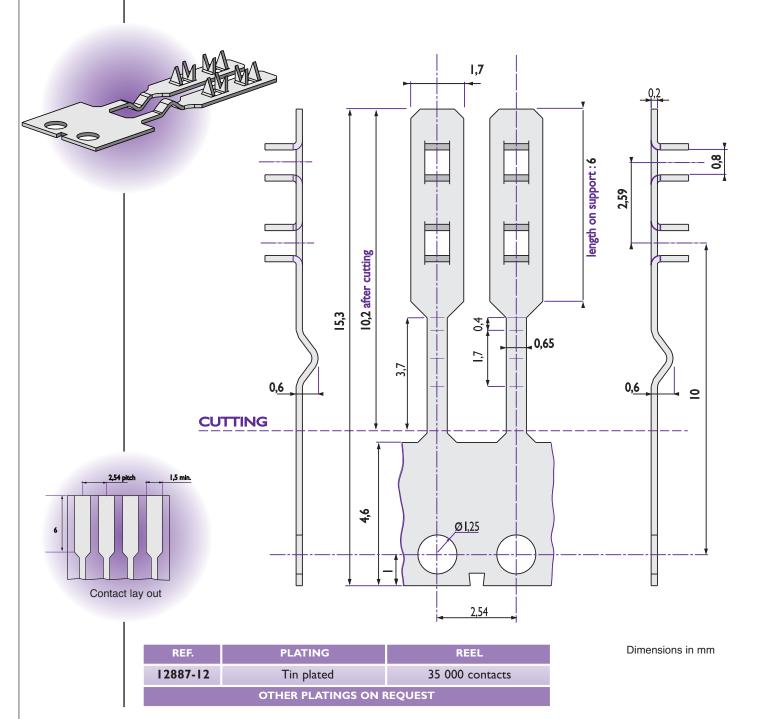
■ The curved shape ensures firm holding of the contacts in the printed circuit and provides retention during wave-soldering.



REF.	PLATING	REEL
10167-12	Tin plated	35 000 contacts
OTHER PLATINGS ON REQUEST		

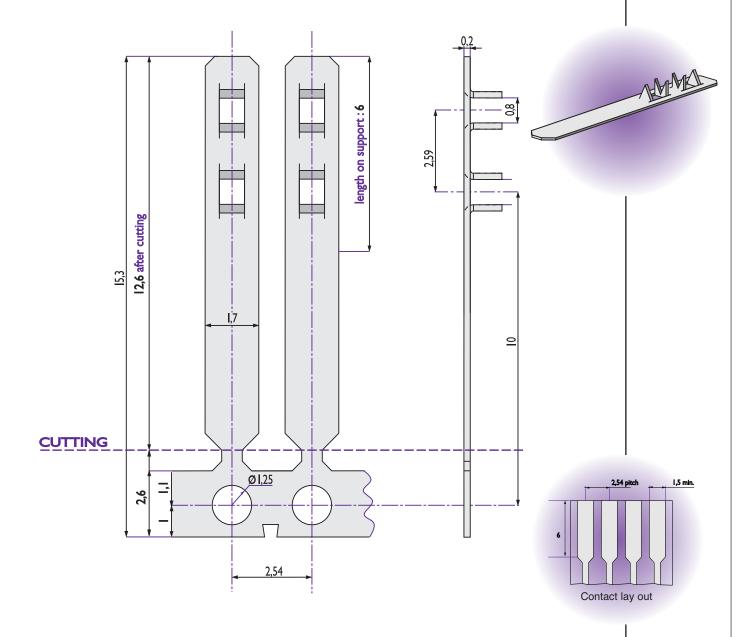
DOUBLE RETENTION MALE SOLDER TAB REF. 12887

■ Each pin is formed in an opposite direction to give excellent retention during soldering.

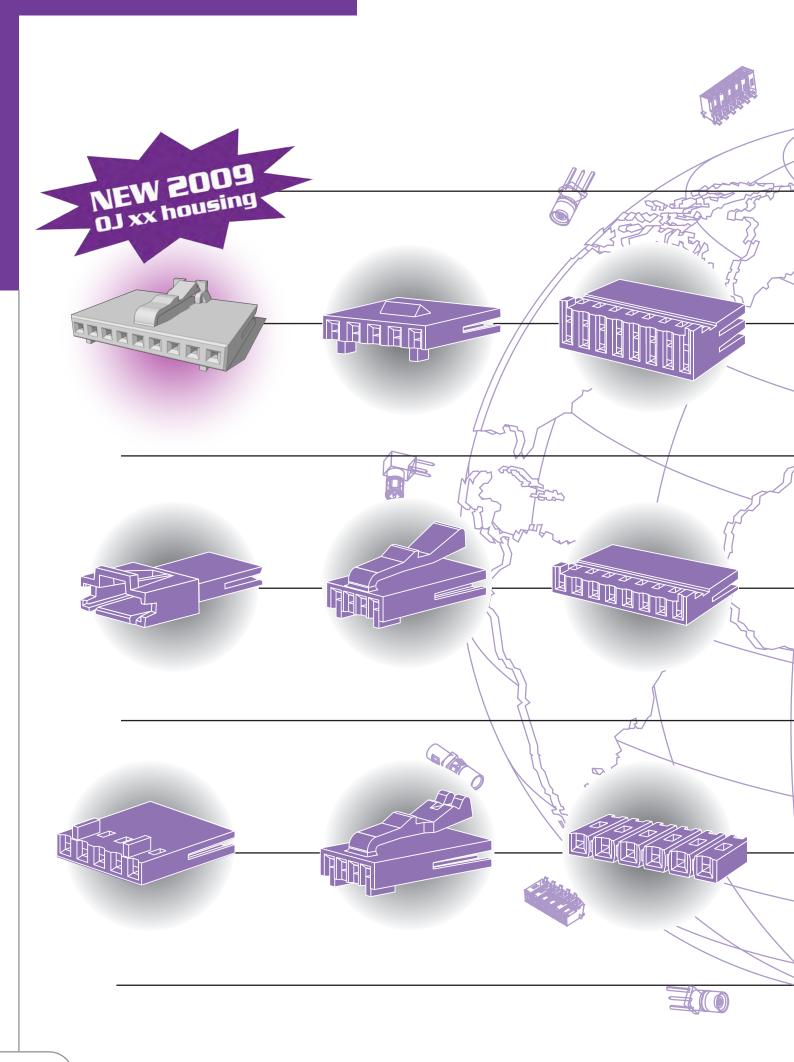


LONG MALE SOLDER TAB REF. 11612

- The long solder tab allows connection in screw terminal blocks.
- Used for connections to EL lamps.



REF.	PLATING	REEL		
II612-12 Tin plated		35 000 contacts		
OTHER PLATINGS ON REQUEST				









MATERIAL

- Thermoplastic w/glass fiber
- Classified UL 94V-0



CERTIFICATIONS

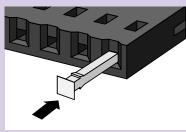
■ UL : E 125469 (Component - Connectors For Use In Data, Signal, **Control And Power Applications)**

THERMAL SPECIFICATIONS

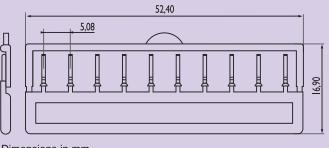
Operating temperature - 55° C to + 150° C

ACCESSORIES

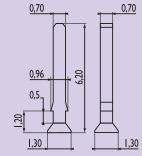
POLARIZATION KEYS REF. PHK-10 (BLACK) OR PHK-101 (WHITE)



- Keys to plug into the housings to ensure polarization.
- Can be used with the NICOMATIC PCB Connector female range. (refer to page 34)
- Available in black or in white colour



Dimensions in mm

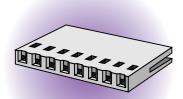


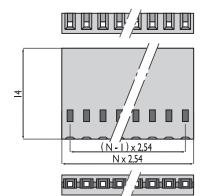
Information: All female housings are end to end stackable. OF xx and 7F10 xx housings are side to side and end to end stackable.

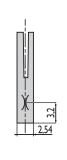


HOUSING SERIES OF XX

- Removable connection with all types of 0.635 mm (.025") square or round pin headers.
- Housings are side to side and end to end stackable.
- Standard single housing for use with all female contacts or long male pins.







→ Mates with headers (tin or gold plated)
ref. 12-17-111-xx-1
ref. 12-17-141-xx-1
(refer to page 34)

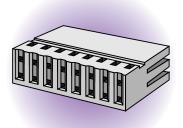


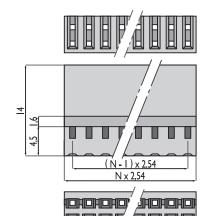
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
NO	NO	I	02 → 25 (on request : 26 → 51)

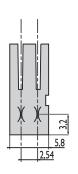
Dimensions in mm

HOUSING SERIES 4F xx

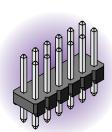
- This housing allows connection of a double row flexcable jumper onto a 2 rows, 0.635 mm (.025") square or round pin header.
- Housings are end to end stackable.







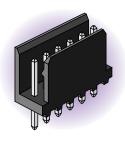
➤ Mates with headers (tin or gold plated)
ref. 16-17-111-xx-1
ref. 16-17-141-xx-1
(refer to page 34)



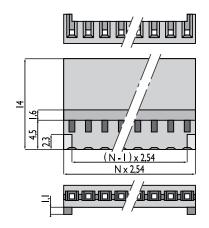
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
NO	NO	2	04 → 50

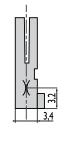
HOUSING SERIES 2E XX

- This housing is used with walled pin headers 1Y (refer to page 35).
- It allows polarization and locking.
- Mates with walled headers ref. 1Y-10-111-xx-1 ref. 1Y-10-141-xx-1 (refer to page 35)



Dimensions in mm



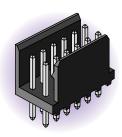


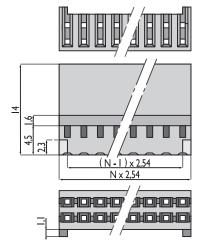


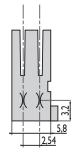
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	1	02 → 25

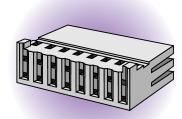
HOUSING SERIES 4E XX

- This housing is used with double row walled headers (refer to page 35).
- It allows polarization and locking.
- Mates with walled headers ref. 1Y-20-111-xx-1 ref. 1Y-20-141-xx-1 (refer to page 35)





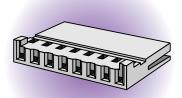


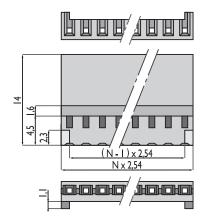


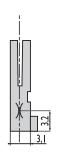
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	2	04 → 50

HOUSING SERIES 1E xx

- This housing is designed to mate to industry standard walled connectors.
- It allows polarization and locking.





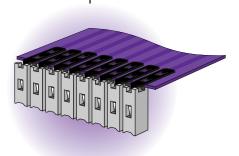


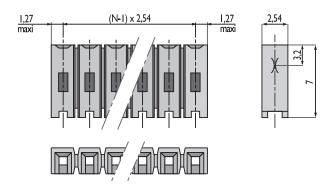
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	1	02 → 25

Dimensions in mm

HOUSING SERIES 7F10 xx

- The low height of this housing allows right angle connection in high density packaging.
- Housings are side to side and end to end stackable.

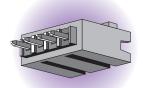


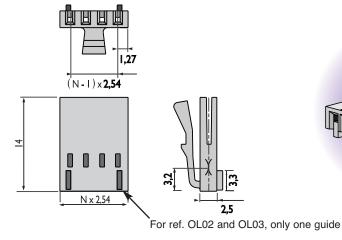


POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
NO	NO	1	02 → 25

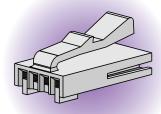
HOUSING SERIES OL XX

- Industry standard locking system that allows easy mating and unmating to a walled pin header.
- Optional : alternate part available on request to allow for latch to be oriented in either direction.
- Mates with Male headers ref. 1L-10-111-xx-1 ref. 1L-10-141-xx-1 (refer to page 37)





YES



 $02 \rightarrow 25$





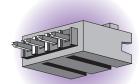
Dimensions in mm

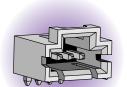
HOUSING SERIES OM XX

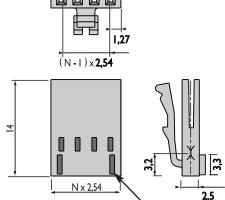
- Industry standard locking system that allows for easy mating and unmating to a walled pin header.
- The location of the latch is different from housing series OL in order to ensure a total compatibility with the different versions available on the market.

YES

- Optional: alternate part available on request to allow for latch to be oriented in either direction.
- Mates with Male headers ref. 1L-10-111-xx-1 ref. 1L-10-141-xx-1 (refer to page 37)





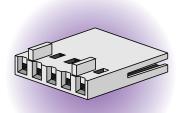


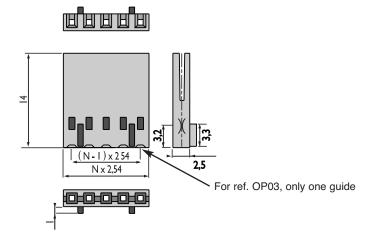


POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	1	02 → 25

HOUSING SERIES OP XX

- Industry standard polarization feature.
- Optional: contacts can be inserted on the guide side and on the opposite side to the guide, from 4 to 25 ways.



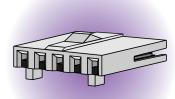


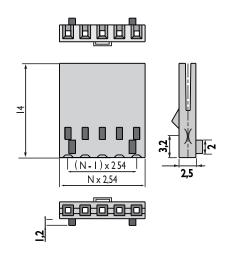
POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	NO	I	02 → 25

Dimensions in mm

HOUSING SERIES OD XX

- Industry standard polarization feature.
- Optional : contacts can be inserted on the opposite side to the latch, from 4 to 25 ways.

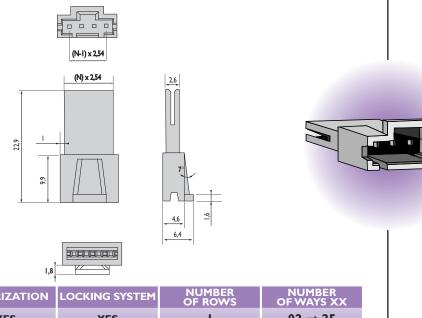




POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	I	03 → 25

HOUSING SERIES 1L xx

- This housing allows industry standard polarization.
- It allows the locking of OM/OL xx female references (refer to page 25).
- Use with all square male pins.

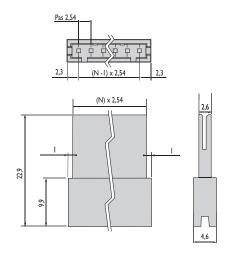


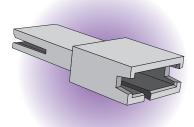
Dimensions in mm

POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	YES	1	02 → 25

HOUSING SERIES 1P xx

- This housing allows the locking of OP xx industry standard polarized housing (refer to page 26).
- This housing is available by special order only.



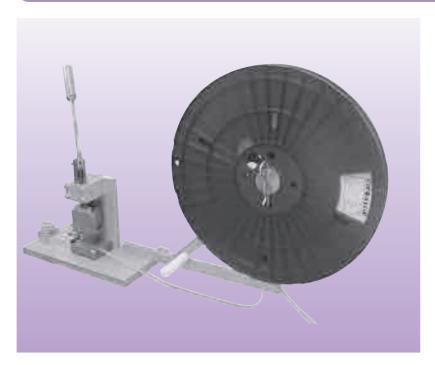


POLARIZATION	LOCKING SYSTEM	NUMBER OF ROWS	NUMBER OF WAYS XX
YES	NO	1	02 → 25

CRIMPFLEX® presses

Other documents: product data sheet & CrimpFlex® Crimping Guidelines

MANUAL PRESS REF. 10025-MO





Substrate Conductor

GENERAL DATA

- Dimensions without reel (L x w x h): 79 x 40 x 54 cm.
- Dimensions with reel (L x w x h): 99 x 40 x 61 cm.
- Net weight : 27 kg, Gross weight : 38 kg.
- Approximate capacity: 7 cycles / minute.

OPERATION

- The contacts are moved forward from stop to stop by hand via the side loader.
- The graduated positions correspond to the number of contacts to crimp (1 to 25 points).
- The crimping is operated manually via the upper lever.

TOOLING

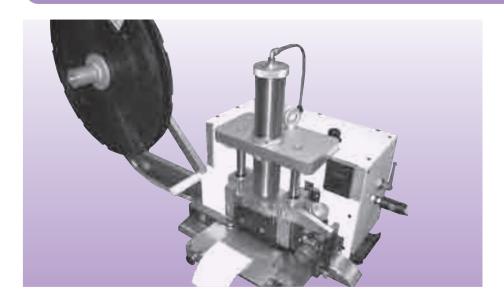
- This machine is delivered with 2 different toolings for solder tabs, male and female contacts. The change of tooling is simple and quick.
- 10025-MO (male & female tooling) 10025-MO-F (female tooling) 10025-MO-M (male tooling)
- Manual Press ref. 10025-SP is especially made for square male contacts 12410 and 13756.

PRESS		TOOLING	PART NUMBERS
10025-MOM		MALE	10141 - 10241 - 10067 - 10167 - 12887
10025-MO	10025-MOF	FEMALE	10025 - 11506 - 11612 - 13595 - 14106
10025-SP		SQUARE MALE	12410 – 13756

CRIMPFLEX® presses

Other documents: product data sheet & CrimpFlex® Crimping Guidelines

PNEUMATIC PRESS REF. 10500-SA(P)



GENERAL DATA

- Dimensions without reel (L x w x h): 83 x 44 x 61 cm.
- Dimensions with reel (L x w x h) : 103 x 44 x 61 cm.
- Packaging dimensions (L x w x h): 84 x 40 x 57 cm.
- Net weight: 57 kg, Gross weight: 85 kg.
- Air pressure of 6 bars : dry air recommended, gauge G1/4.
- No electrical requirement.
- Approximate capacity: 30 cycles / minute.

OPERATION

- From 1 to 36 contacts are crimped at one time. The number of contacts to be crimped is determined by turning a dial on the front of the machine.
- This machine is also equipped with a downcounter which allows to pre-select a precise number of operations and stops automatically once it is back to zero.
- The press is operated by foot pedal.

TOOLING

- The machine can be delivered with three different tooling : one for male solder tabs, one for female contacts and one for square male pins.
- The change of tooling is simple and quick.

PRESS	TOOLING	PART NUMBERS
10500-SA	MALE	10141 - 10241 - 10067 - 10167 - 12887
10300-SA	FEMALE	10025 - 11506 - 11612 - 13595 - 14106
	SQUARE MALE	12410 – 13756
10500-SAP	MALE	10141 - 10241 - 10067 - 10167 - 12887
	FEMALE	10025 - 11506 - 11612 - 13595 - 14106

Jumper Cables



TECHNICAL DATA

■ The flat cables used for NICOMATIC flexcable jumpers equipped with CRIMPFLEX® connectors, are made of two flat copper conductor laminated between two layers of polyester / adhesive insulation.

DIMENSIONS

- Bare copper conductors, section 1.57mm (width) x 0.076mm (thickness).
- Pitch : 2.54 mm.
- Number of conductors : 2 to 36*.
- Insulators thickness : 0.1 mm.
- * Higher number of conductors are available by special request



- Operating voltage 300 V RMS
 Withstand voltage 1100 V RMS
- AC current rating per conductor 3 A
- Resistance 160 Ω /Km

CERTIFICATES

■ UL E 235596 / UL E 232912 / UL E 203388 (Appliance Wiring Material - Component)

THERMAL SPECIFICATIONS

■ **CABLE** - 55° C to + 105° C

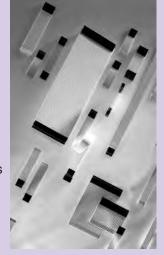
■ UL Flame rating VW-1

MECHANICAL SPECIFICATIONS

■ Flex life 0 = once

25 mm = 10 million cycles

JUMPER CABLE CODES FOR PART NUMBERING SYSTEM ON PAGE 31

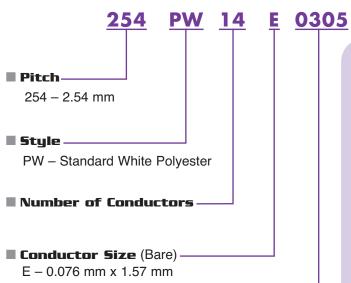


	CONTACTS TABLE				HOUSING	5 TABL	.E
CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER
FI	10025-12	M4	12410-32	٧	IL xx	D	OD xx
F2	10025-32	SI	10241-12				
F3	11506-12	S2	10141-12	Н	OF xx	2	2E xx
F4	11506-32	S3	10167-12	N	OM xx	7	7FI0 xx
F5	14106-12	S4	10067-12	IN	OLLX	,	/1 10 XX
F6	14106-32	S5	12887-12	L	OL xx	1	IE xx
MI	13595-12	S6	11612-12				
M3	12410-12	OTHER	5 ALSO POSSIBLE	Р	OP xx	OTHERS A	ALSO POSSIBLE

For Flex to discrete wire connection, please consult us.

Jumper Cables

Part Numbering System Using the CRIMPFLEX® Connector System



■ Length in mm (Measured from End to End) CABLE LENGTH CABLE LENGTH

Connector Style (Tin Plating Standard)

SOLDERTAB

- S1 Standard Solder Tab, P/N 10241-12
- S5 Double Retention Solder Tab, P/N 12887-12

FEMALE

- *F1X High Insertion Force Female Contact, P/N 10025-12
- *F2X High Insertion Force Female Contact, Selective gold plating, P/N 10025-32
- *F3X Low Insertion Force Female Contact, P/N 11506-12
- *F5X Hi Flex Female Contact, P/N 14106-12

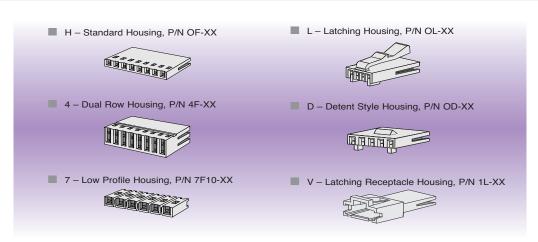
MALE PIN

- *M1 –Short Square Male Pin, P/N 13595-12
- *M3X- Long Square Male Pin, P/N 12410-12
- *M4X- Long Square Male Pin, Selective gold plating, P/N 12410-32

*housing style must be specified, see below

Options: B (-90° bending), C (+90° bending), K (polyimide insulator),
R (crimping on the opposite side to the left), W (polyester insulator)

HOUSING - X



B : Bending to the crimping direction

C : Bending to the opposite side

FFC Card Cable



TECHNICAL DATA

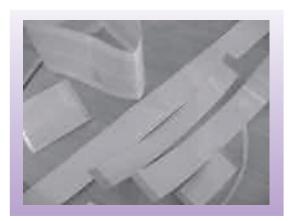
Pitch	0.5 mm	1.00 mm	1.25 mm	1.27 mm	2.54 mm
Cable Width	(N+I) 0.50	(N+I)	(N+1) 1.25	(N+1) 1.27	(N+I) 2.54
Cable Thickness	0.22	0.25	0.25	0.25	0.25
Conductor Width	0.28	0.66	0.80	0.80	1.57
Conductor Thickness	0.035	0.076	0.076	0.076	0.076
Exposed Length	4	5 (4 for P8)	5 (4 for P8)	5 (4 for P8)	5 (4 for P8)
Stiffener Length	6 (2 for P8)	10 (2 for P8)			
Mating Thickness (P3, P5)	0.30	0.30	0.30	0.30	0.30
Insulation	Polyester	Polyester	Polyester	Polyester	Polyester
Voltage	90 V	90 V	300 V	300 V	300 V
Temperature	-55°C to105°C	-55°C to 105°C	-55°C to 105°C	-55°C to 105°C	-55°C to105°C
UL Flame Rating	VW-I	VW-I	VW-I	VW-I	VW-I
Dielectric Strength	5,000 V	5,000 V	5,000 V	5,000 V	5,000 V
Insulation Resistance	5,000 MΩ	5,000 ΜΩ	5,000 ΜΩ	5,000 ΜΩ	5,000 ΜΩ

[•] All dimensions in mm •

■ Style P3 Shown

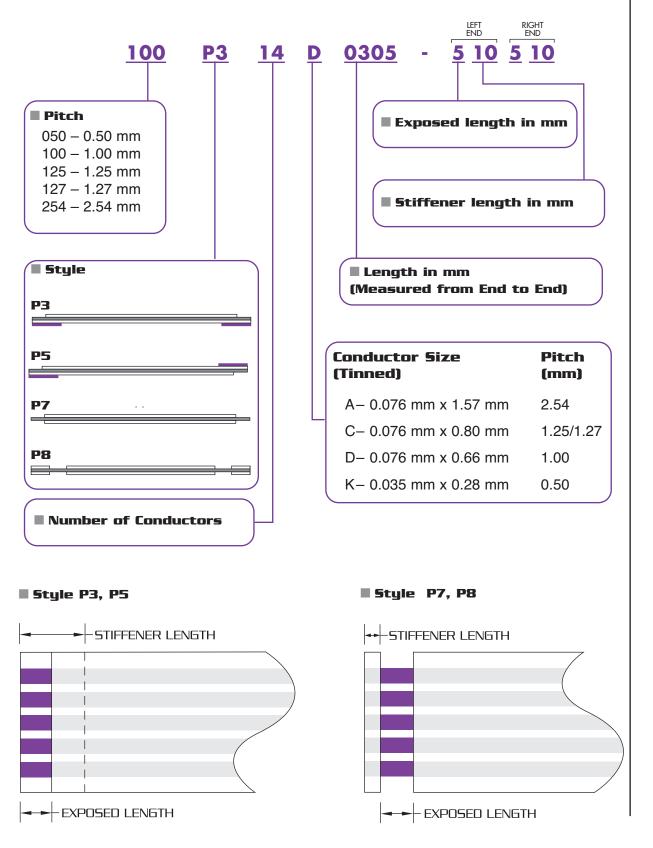






FFC Card Cable

Part Numbering System



— Other Options are Available, Please Contact the Factory —

Headers and Sockets

STANDARD

- 0.635 mm (.025") square pin header
- 2.54 mm (.100") pitch and multiple
- Number of ways on request

TECHNICAL DATA

PLATING
■ Ni 2µ + Sn 5µ or gold plated
INSULATOR
■ Glass filled plastic UL 94V-0
MECHANICAL ENDURANCE

■ 1.5 max.

■ Au = 500 ■ Sn = 50

INSERTION FORCE

ELECTRICAL SPECIFICATIONS

■ Contact resistance

20 m Ω 3 A

■ Min. withstanding voltage

500V eff.

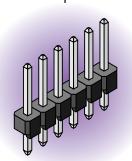
■ AC current rating per contact ■ Min. insulation resistance

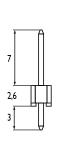
1000M Ω

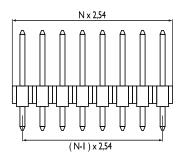
THERMAL SPECIFICATIONS

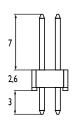
-40°C to +150°C Operating temperature

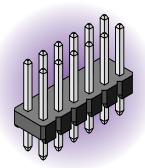
STRAIGHT SINGLE AND DOUBLE ROW









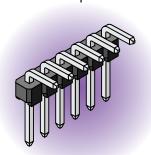


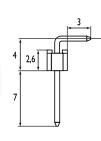
Dimensions in mm

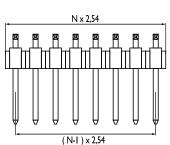
2,54	REF.	PLATING	NUMBER OF CONTACTS XX
	12-17-111-XX-1	Tin plated	02 ≤ XX ≤ 40
	12-17-141-XX-1	Gold plated	02 ≤ XX ≤ 40
	16-17-111-XX-1	Tin plated	04 ≤ XX ≤ 80
	16-17-141-XX-1	Gold plated	04 ≤ XX ≤ 80

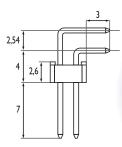


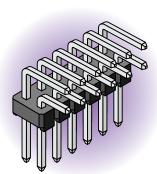
RIGHT ANGLE SINGLE AND DOUBLE ROW











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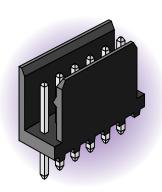
	REF.	PLATING	NUMBER OF CONTACTS XX
\lceil	12-21-211-XX-1	Tin plated	02 ≤ XX ≤ 40
Z	12-21-241-XX-1	Gold plated	02 ≤ XX ≤ 40
	16-52-211-XX-1	Tin plated	04 ≤ XX ≤ 80
	16-52-241-XX-I	Gold plated	04 ≤ XX ≤ 80

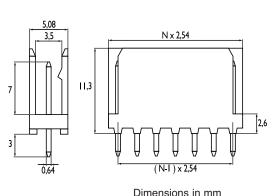


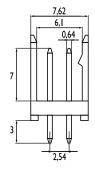
Headers and Sockets

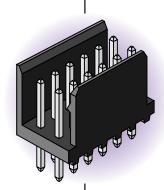
WALLED HEADERS

STRAIGHT SINGLE AND DOUBLE ROW









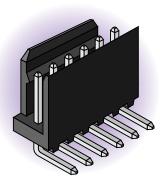
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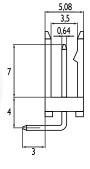
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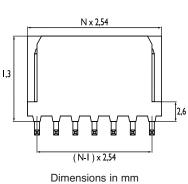
	REF.	PLATING	NUMBER OF CONTACTS XX	
Γ	Y-10- -XX-	Tin plated	02 ≤ XX ≤ 20	
L	IY-10-141-XX-1	Gold plated	02 ≤ XX ≤ 20	
	IY-20-111-XX-1	Tin plated	04 ≤ XX ≤ 40	П
	IY-20-141-XX-I	Gold plated	04 ≤ XX ≤ 40	

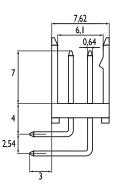


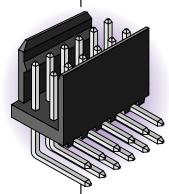
RIGHT ANGLE SINGLE AND DOUBLE ROW





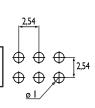






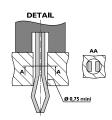
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REF.	PLATING	NUMBER OF CONTACTS XX
IY-10-211-XX-1	Tin plated	02 ≤ XX ≤ 20
IY-10-241-XX-1	Gold plated	02 ≤ XX ≤ 20
IY-20-211-XX-1	Tin plated	04 ≤ XX ≤ 40
IY-20-241-XX-I	Gold plated	04 ≤ XX ≤ 40



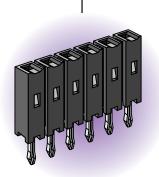
Headers and Sockets

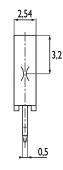
■ Strongs tails : the contact is firmly retained in the PCB holes thus allowing the solder to ascend.

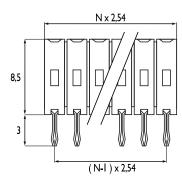


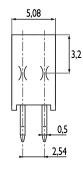
STANDARD AND LOW PROFILE

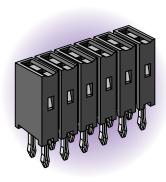
SINGLE AND DOUBLE ROW











Dimensions in mm

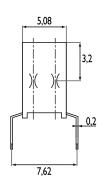


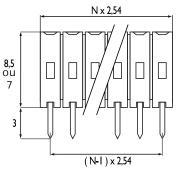
REF.	PLATING	NUMBER OF CONTACTS XX
8Y-10-111-XX-1	Tin plated	02 ≤ XX ≤ 40
8Y-10-131-XX-1	Selective gold plated	02 ≤ XX ≤ 40
8Y-20-111-XX-1	Tin plated	04 ≤ XX ≤ 80
8Y-20-131-XX-1	Selective gold plated	04 ≤ XX ≤ 80

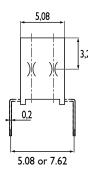


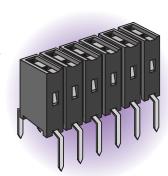
DOUBLE ROW DUAL ENTRY



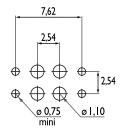




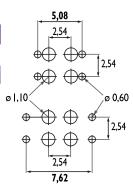




Dimensions in mm



REF.	PLATING	NUMBER OF CONTACTS XX	PITCH
3Y-20-311-XX-1	Tin plated	04 ≤ XX ≤ 80	7.62
3Y-20-331-XX-I	Selective gold plated	04 ≤ XX ≤ 80	7.62

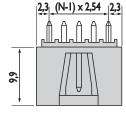


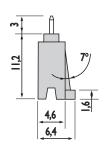
Male Headers

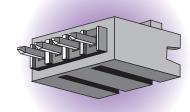
STRAIGHT HEADER 1L-10-1Z1-XX-1

■ It allows the locking of OL xx, OM xx and OP xx housings (refer to page 25 and 26).







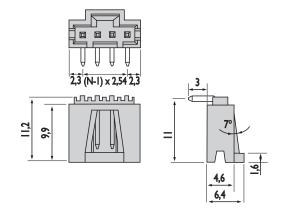


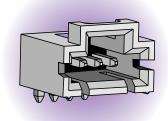
Dimensions in mm

REF.	PLATING	NUMBER OF CONTACTS XX
IL-10-111-XX-1	tin plated	02 ≤ XX ≤ 25
IL-10-141-XX-1	gold plated	02 ≤ XX ≤ 25

RIGHT ANGLE HEADER 1L-10-2Z1-XX-1

■ It allows the locking of OL xx, OM xx and OP xx housings (refer to page 25 and 26).





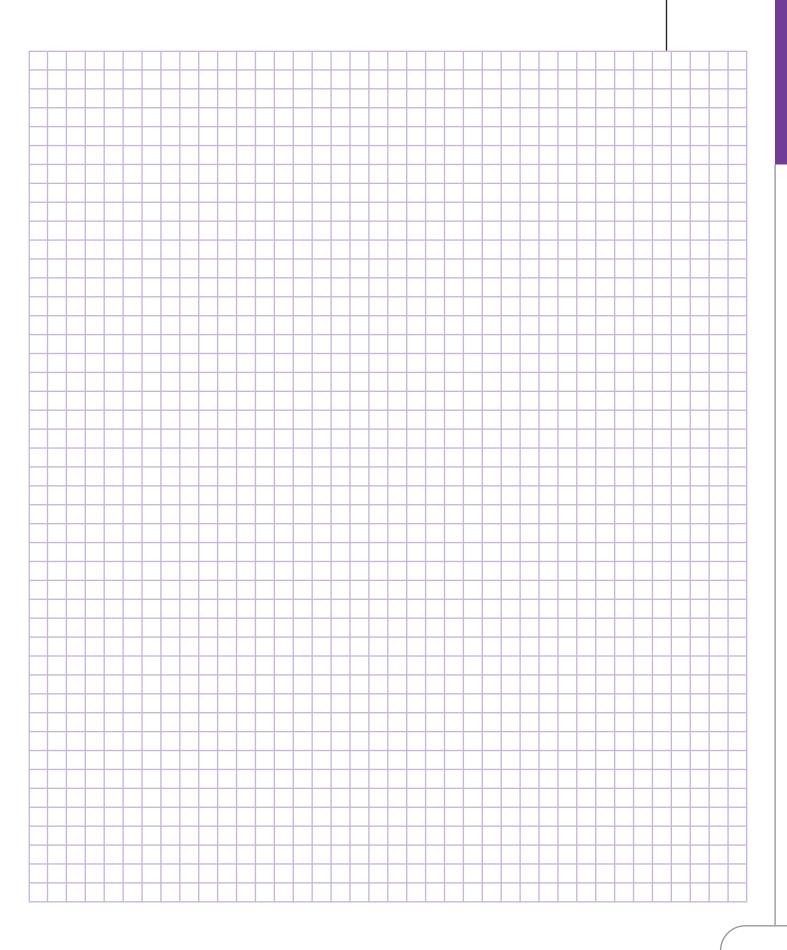
REF.	PLATING	NUMBER OF CONTACTS XX
IL-10-211-XX-1	tin plated	02 ≤ XX ≤ 25
IL-10-241-XX-I	gold plated	02 ≤ XX ≤ 25

Index

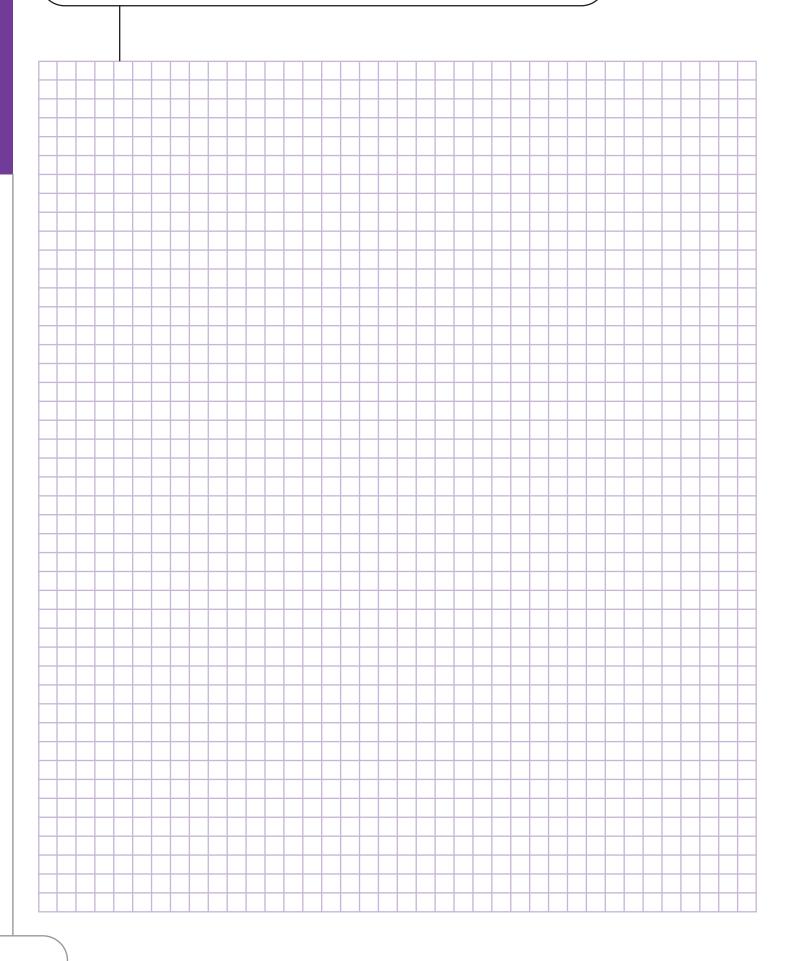
Numerical	search
Part numbers	Page
11506	6
10025	7
14106	8
12410	10
13756	11
13595	12
10141	14
10241	15
10067	16
10167	17
12887	18
11612	19
OF	22
4F	22
2E	23
4E	23
1E	24
7F10	24
OL	25
OM	25
OP	26
OD	26
1L	27
1P	27
10025 - MO	28
10500 - SA	29
1L-10-1Z1-XX-1	37
1L-10-2Z1-XX-1	37

Alphabetical search	
Part numbers	Page
10025	7
10025-MO	28
10067	16
10141	14
10167	17
10241	15
10500-SA	29
11506	6
11612	19
12410	10
12887	18
13595	12
13756	11
14106	8
1E	24
1L	27
1L-10-1Z1-XX-1	37
1L-10-2Z1-XX-1	37
1P	27
2E	23
4E	23
4F	22
7F10	24
OD	26
OF	22
OL	25
OM	25
OP	26

Notes



Notes



A world of interconnect and switching solutions







YEARS OF EXPERTISE IN THE CONNECTOR INDUSTRY AT YOUR DISPOSAL

From its origin in 1976 as a micro screw machining manufacturer, NICOMATIC has taken advanage of its precision know-how to specialize in the development, design and manufacture of electronic connectors and metal dome switching technology for membrane switches and mobile phones.

Activity sector : Electronic Passive Components Specialties : Connectors and metal domes.

Our production capabilities include everything from low volume high technology products to mass production of precision components for the consumer markets.

CMM MICRO-CONNECTORS

2 mm pitch connectors CMM series 100/200/220/320/340 (signal, high power, coax, connected shieldings, backpotting shapes...) Special contact series HF/HP 30 and 22 High frequency coax contacts High power contacts

CONNECTORS FOR PRINTED CIRCUIT BOARDS

Headers and Sockets SMD test points Discrete wire to flat cable connection Pins, shunts and eyelets

SWITCH'AIR® DOMES AND ARRAYS OF DOMES

Four-legged non-stick domes and round domes Semi-automatic and automatic dome placement machines (up to 5 000 domes per hour) UltraThin LEDs & adhesive spacers for membrane switches

SPECIFIC DEVELOPMENTS

All parts requiring screw machining, cutting, moulding, and assembly know-how.

JAN 2016

Reference catalogue: C.CS.1000/GB

NICOMATIC maintains a policy of ongoing development and improvement. It therefore reserves the right to change design, dimensions and specifications without notice. All information stated inside this catalogue is not contractual and subject to change.

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NICOMATIC - FRANCE

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