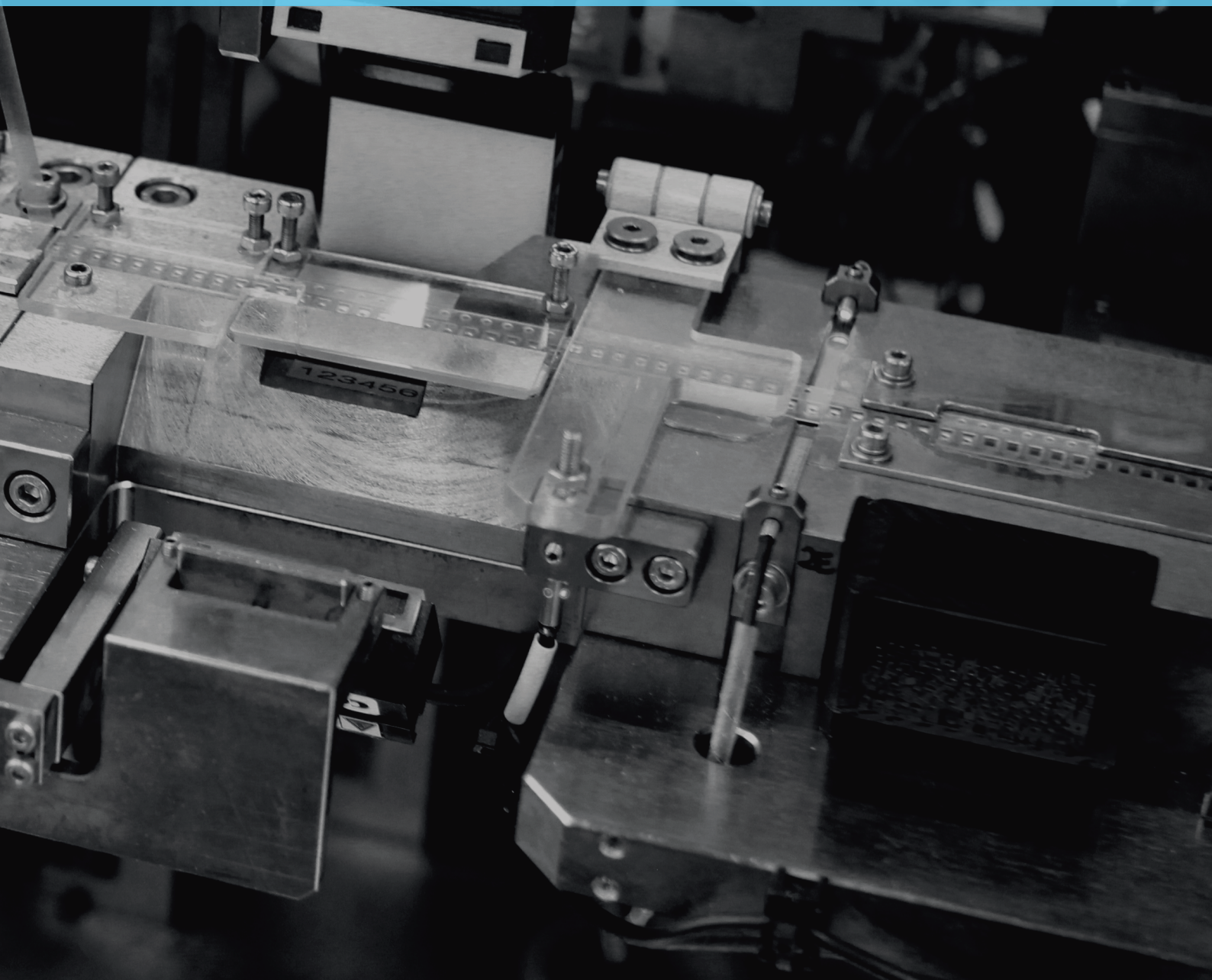
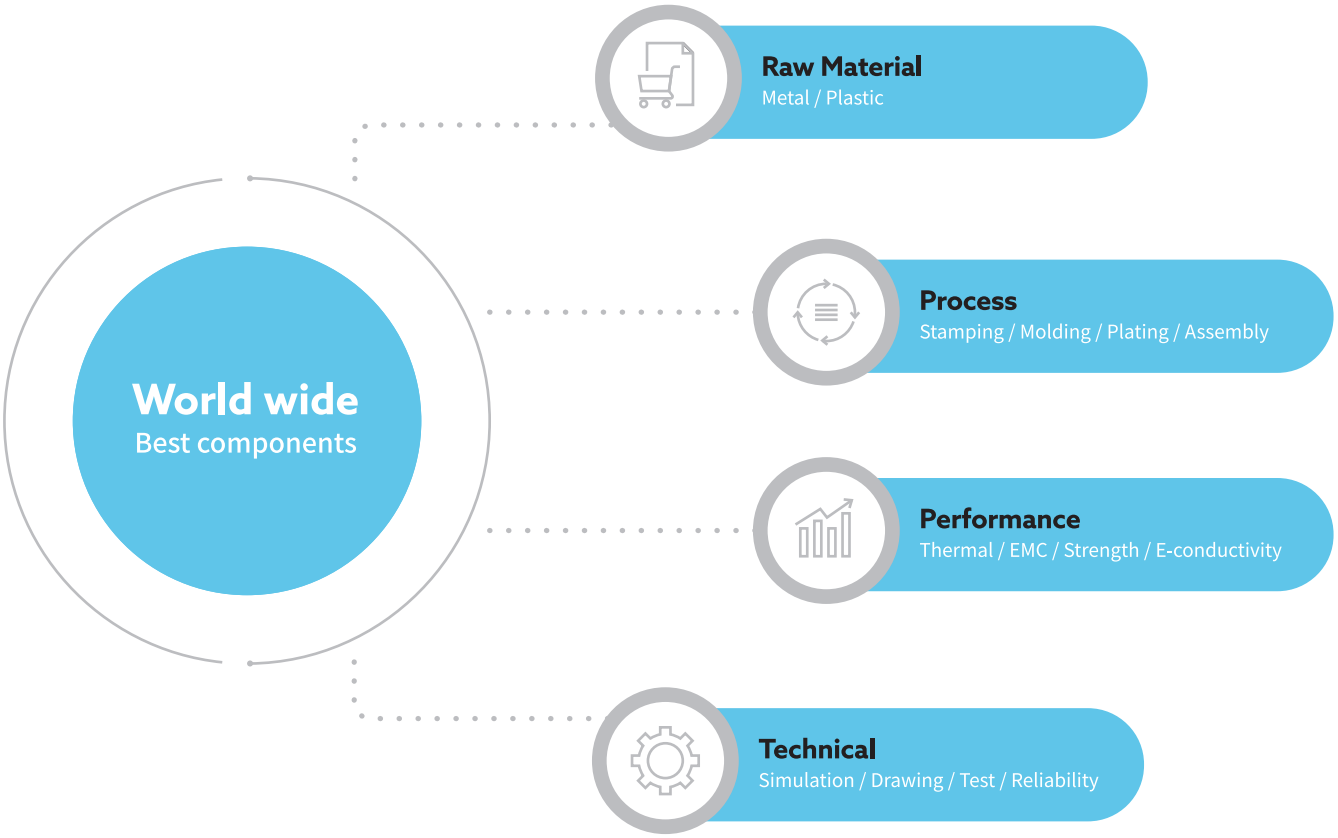
PRODUCT BROCHURE & APPLICATION NOTE

THE BEST PARTNER FOR ELECTRONIC CIRCUIT CONNECTIONS



POCONS

www.pocons.co.kr



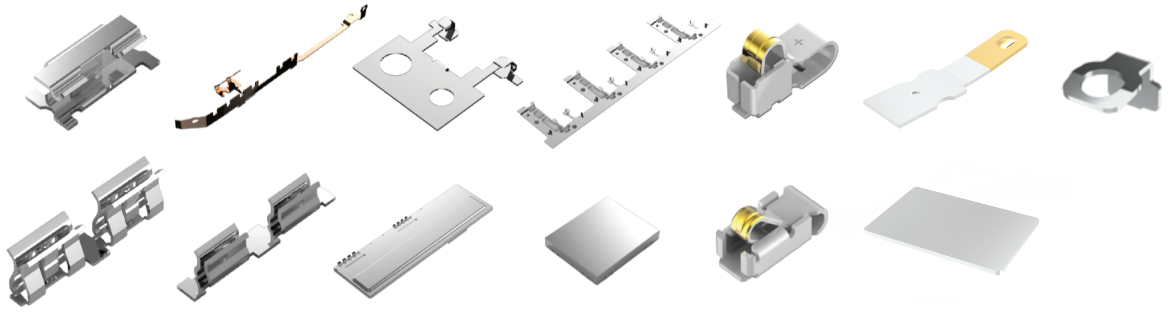
POCONS is a high precision electronic parts manufacturer for customized stamping parts and EMC/EMI solutions in Automotive and Electronic fields.
The headquarter and the 1st factory is located in South Korea, 2nd factory is located in Vietnam.
With the global network in Asia, America and Europe POCONS supply products at domestic and abroad for years.
As a leading main SMD component supplier in mobile electronics, we have been highly required from Automotive as well according to increasing the demands for EMC/EMI solutions in Connected cars.
Since 2018, POCONS acquired IATF16949 and now POCONS parts and brand name has been spread in global automotive manufacturers and applied to almost all models.
POCONS keep developing new products and design same as every year and strive to improve the current technology more safely and more environmentally-friendly around the world.

POCONS
www.pocons.co.kr

- Establishment : Mar 2nd 1995
- Changed the name of company : Dec 5th 2006
- CEO : (Mr.) Jeong, Nak Hwan
- Location : Suwon city in Korea republic
- Scale : Premises 4,433.320㎡, Building space: 5,389.16㎡
- Employees : 95 in POCONS / 130 in POCONS VINA / 23 in KH / 25 in WJ Plating
- Certification : ISO14001, IATF16949, MSQ(MOBIS), ISO45001
- Sales : 32.1 billion (2019), 35.0 billion (2020), 37.3 billion (2021)

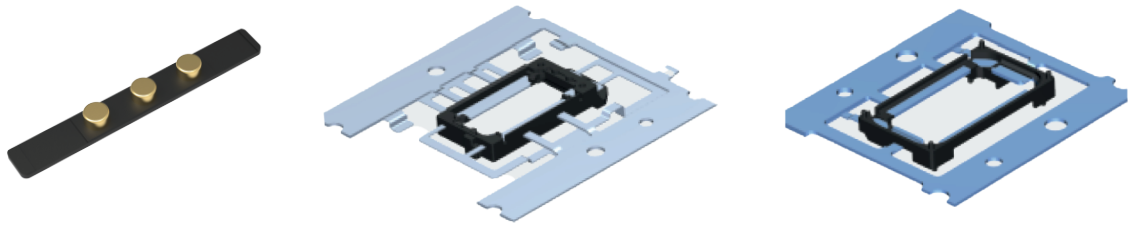
BUSINESS FIELD

METAL STAMPING

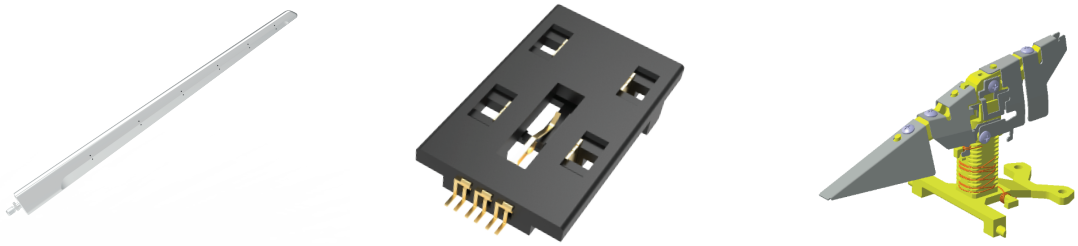


CNC PARTS

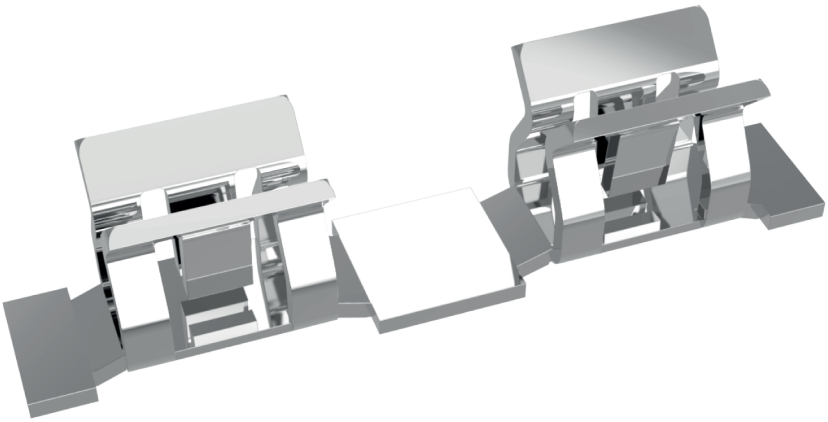
INSERT MOLDING

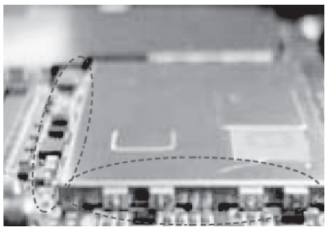


ASSEMBLY

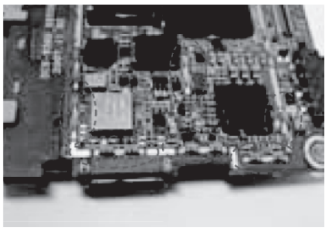


SHIELD CAN CLIP

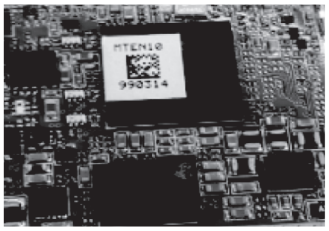




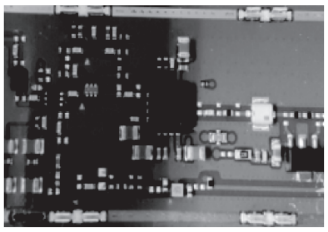
Smart Phone



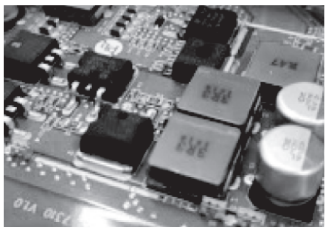
Smart Phone



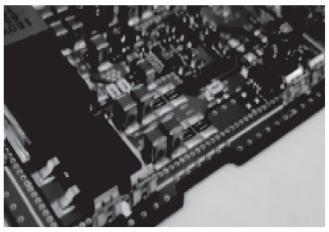
Telegraphic Repeater



Telegraphic Repeater

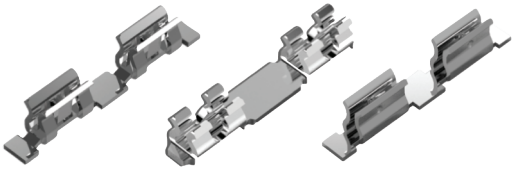


Car LDC Unit



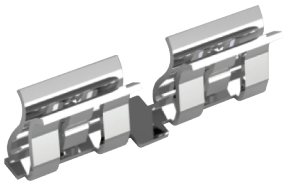
Car Head Lamp

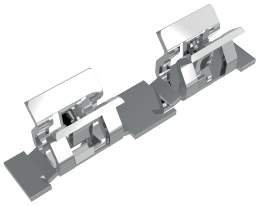
PRODUCT OVERVIEW



- Efficient use of the PCB space
- Productivity increase by mounting the Clip auto matically
- Reduction in the term and expense for the development as the frame is not necessary
- Cost reduction
- Efficient purchase by standardization
- Easy repairs

BIG SIZE CLIP





SPECIFICATION

PART NAME	SPEC(L x W x H)	PACKING(REEL)	SHIELD CAN THICKNESS	PLATING	MATERIAL
PTC0703G	6.5 x 0.8 x 1.28	10,000	0.1	Sn + Ni	SUS
PTC1121N	4.4 x 0.8 x 0.8	10,000	0.15	Sn + Ni	SUS
PTC0703B	6.5 x 0.8 x 1.28	10,000	0.15~0.2	Sn + Ni	SUS
PTC0703D	6.5 x 0.8 x 1.15	10,000	0.15~0.2	Sn + Ni	SUS
PTC0704	6.5 x 1.1 x 1.28	10,000	0.15~0.2	Sn + Ni	SUS
PTC0801A	3.9 x 1.1 x 1.45	10,000	0.15~0.2	Sn + Ni	SUS
PTC2030N	6.5 x 0.6 x 0.6	10,000	0.2	Sn + Ni	SUS
PTC0801	3.9 x 1.1 x 1.28	10,000	0.2	Sn + Ni	SUS
PTC3121N	4.4 x 0.8 x 0.8	10,000	0.2	Sn + Ni	SUS
PTC2010N	3.6 x 0.8 x 0.6	10,000	0.2	Sn + Ni	SUS
PTC0706 Emboss	6.5 x 1.0 x 1.28	10,000	0.2~0.3	Sn + Ni	SUS
PTC0703C	6.5 x 0.8 x 1.28	10,000	0.3	Sn + Ni	SUS
PTC0704A	6.5 x 1.1 x 1.28	10,000	0.3	Sn + Ni	SUS
PTC2511N	3.9 x 1.1 x 1.0	10,000	0.3	Sn + Ni	SUS
PTC4121N	4.4 x 0.8 x 0.8	10,000	0.3	Sn + Ni	SUS
PTC0901	6.5 x 1.1 x 1.2	10,000	0.4	Sn + Ni	SUS
PTC1004	3.9 x 1.1 x 1.28	10,000	0.4	Sn + Ni	SUS

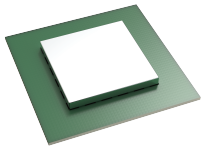
BIG SIZE CLIP

PART NAME	SPEC(L x W x H)	PACKING(REEL)	SHIELD CAN THICKNESS	PLATING	MATERIAL
PTC4944H	10.00×1.90×3.0	1,700	0.3T	Sn + Ni	SUS
PTC4944HL	10.00×1.90×3.0	1,700	0.3T	Sn + Ni	SUS
PTC4944A	10.00×1.90×3.0	1,700	1T	Sn + Ni	SUS

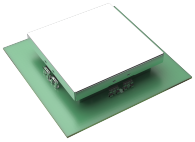
PART NAME	SPEC(L x W x H)	PACKING(REEL)	SHIELD CAN THICKNESS	PLATING	MATERIAL
PTC1008	8.4x4.0x9.3	750	0.25T	Sn + Ni	–
PTC1009	7.00×1.60×1.90	3,700	0.5T	Sn + Ni	SUS
PTC4532H	6.50X1.20X1.6	10,000	0.3T	Sn + Ni	–

SHIELD CAN

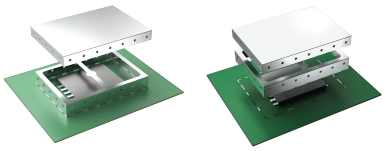
SHIELDING METHOD COMPARISON



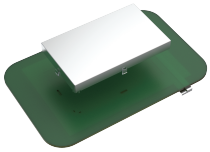
SMD TYPE



CLIP FIXING TYPE



FRAME COVER TYPE (2PIECE TYPE)



ASSEMBLY TYPE

SMD TYPE

IN INSULATION TYPE

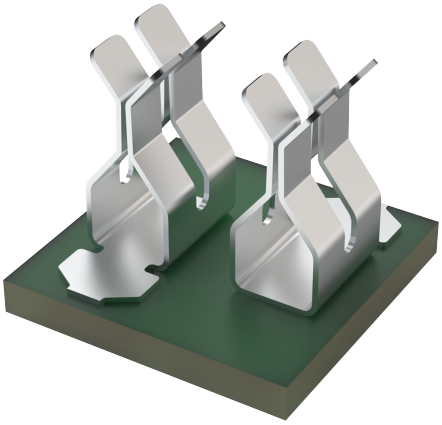
PRODUCT OVERVIEW

NO	PART NUMBER	SIZE(L x W x H)	MATERIAL	THICKNESS	INSULATING TAPE	PLATING	TYPE	PACKING
1	PES1550	9.35 x 7.80 x 1.30	SUS304	0.15	X	X	SMD	Carrier
2	PES1693	9.45 x 9.45 x 0.9	C7701	0.15	X	Ni	SMD	Carrier
3	PES1524	11.00 x 10.95 x 1.20	SUS304	0.15	X	X	SMD	Carrier
4	PES1255	14.90 x 13.40 x 1.40	SUS304	0.2	X	X	CLIP (PTC0704)	Tray
5	P1507	17.16 x 13.60 x 1.40	SUS304	0.2	X	X	CLIP (PTC0703B, PTC0704)	Tray
6	PES1117	20.925 x 17.997 x 1.40	SUS304	0.225	O	Ni	CLIP (PTC3121N)	Tray
7	PES1116	20.925 x 18.175 x 1.40	SUS304	0.225	O	Ni	CLIP (PTC3121N)	Tray
8	PES1179	34.90 x 26.90 x 1.60	SUS304	0.2	X	X	CLIP (PTC0703B)	Tray
9	PES1573	34.30 x 28.30 x 8.80	SPTE	0.3	X	X	CLIP (PTC4944H)	Tray
10	PES1180	48.20 x 22.20 x 9.00	SUS304	0.3	X	X	CLIP (PTC4944H)	Tray
11	PES1464	50.00 x 33.30 x 9.70	SPTE	0.3	X	X	CLIP (PTC4944H)	Tray
12	PES1238	50.20 x 40.00 x 7.90	SUS304	0.3	X	X	CLIP (PTC4944H)	Tray
13	PES1288	50.20 x 60.20 x 7.90	SUS304	0.3	X	X	CLIP (PTC4944H)	Tray
14	PES1785	55.05 x 36.80 x 10.00	SUS304	0.3	X	X	CLIP (PTC4944H)	Tray
15	PES1844	57.20 x 7.68 x 1.45	SUS304	0.15	O	Ni	SMD	Carrier
16	PES1507	66.30 x 50.00 x 9.70	SPTE	0.3	X	X	CLIP (PTC4944H)	Tray
17	PES1470	75.20 x 40.20 x 6.00	SUS304	0.2	X	X	CLIP (PTC0704)	Tray

MOTOR TERMINAL CONTACTOR

MAJOR APPLICATION

-AC/DC MOTOR
-ELECTRICAL CONNECTOR
-GROUND CONTACT
-BRACKET FIXER
-MODE SWITCH
-AUTO MOTIVE
-HOME APPLIANCE



KEY FEATURES

-Efficient use of the PCB space,Cost reduction. (Vs. Wire Soldering)
-Productivity increase by mounting the Contactor automatically
-Easy repairs

PRODUCT OVERVIEW

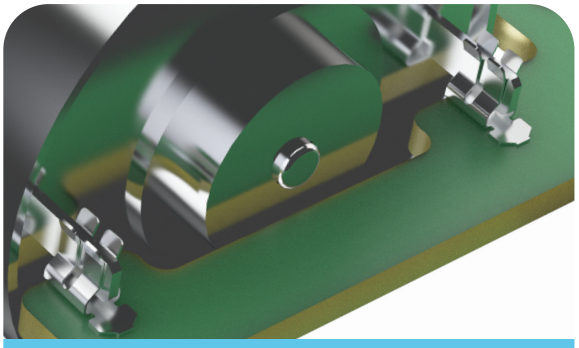
PART NAME	SPEC(L x W x H)	PACKING (REEL)	TERMINAL THICKNESS	PLATING	MATERIAL	PACKAGE
PTC1006	8.4 x 4.0 x 7.9	800	0.5 ~ 1.0mm	Sn	C5210 OR SUS301	SMD T&R
PTC1008	8.4 x 4.0 x 9.3	750	0.5 ~ 1.0mm	Sn	C5210 OR SUS301	SMD T&R

*ELECTRICAL CONTACT C5210 , GND OR FIXING SUS301 / Current rating 2.0A Max

KEY FEATURES

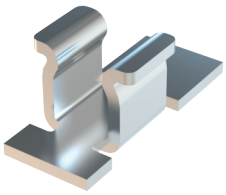
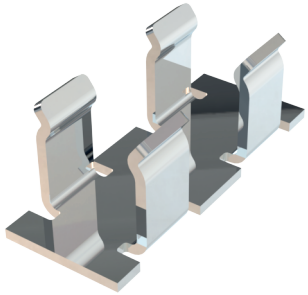
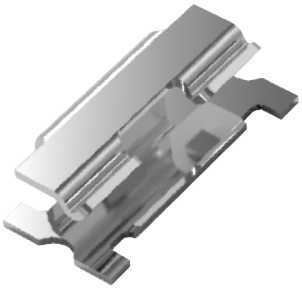
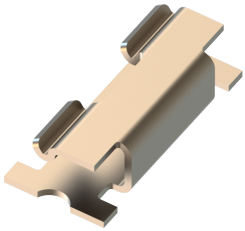
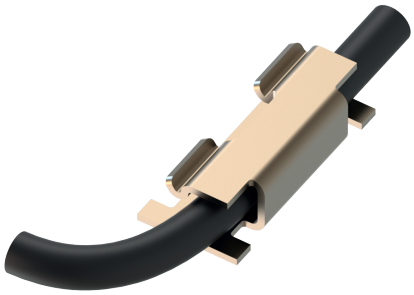
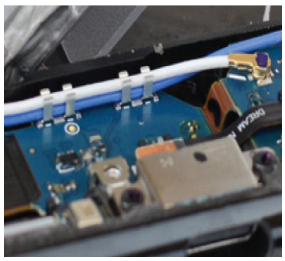
WIRE + MANUAL SOLDERING

IMPROVEMENT



CONTACTOR SMD + TERMINAL INSERT

RF CABLE CLIP

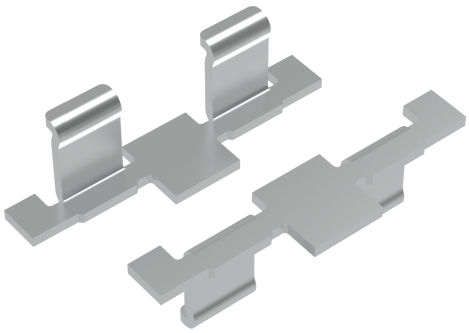







KEY FEATURES

-RF cable clip is used to fix coaxial cable.
-It is possible to prevent coaxial cable's movement

APPLICATION

-CELLULAR PHONE
-CAR LAMP
-GPS MODULE
-MATERIAL :SUS301
-PLATING : SN & NI



2X MODEL

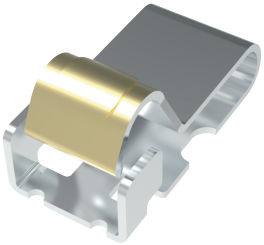
SPECIFICATION

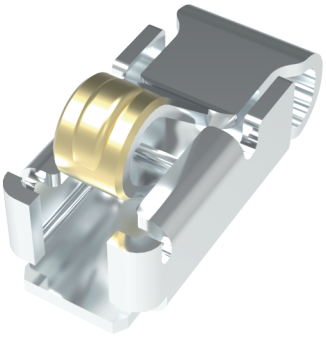
NO	PART NAME	SPEC(L x W x H)	PACKING(REEL)	AVAILABLE CABLE PIE	PLATING	MATERIAL
1	PCC1006W	4.50 x 1.10 x 1.00	10,000	Ø0.64	Ni + Sn	SUS301
2	PCC1007W	2.75 x 1.20 x 1.00	10,000	Ø0.64	Ni + Sn	SUS301
3	PCC1003	4.50 x 1.25 x 1.25	10,000	Ø0.78	Ni + Sn	SUS301
4	PCC1006AW	4.50 x 1.30 x 1.10	10,000	Ø0.80	Ni + Sn	SUS301
5	P1201Y	4.50 x 1.40 x 1.40	10,000	Ø0.90~1.30	Ni + Sn	SUS301
6	PCC1007AW	2.75 x 1.30 x 1.10	10,000	Ø0.81	Ni + Sn	SUS301
7	PCC1011	4.50 x 1.10 x 1.10	10,000	Ø0.81	Ni + Sn	SUS301
8	PCC1001W	4.50 x 1.75 x 1.25	10,000	Ø1~1.2	Ni + Sn	SUS301
9	PCC1002(H-Type)	3.00 x 1.40 x 0.84	10,000	Ø0.64	Ni + Sn	SUS301
10	PCC1009	4.50 x 1.75 x 1.70	4,000	Ø1.37	Ni + Sn	SUS301
11	PCC1004	4.50 x 1.83 x 1.80	4,000	Ø1.40	Ni + Sn	SUS301

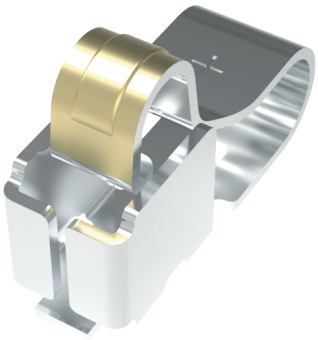
X2 LINE

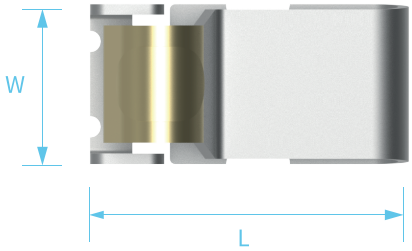
NO	PART NAME	SIZE(L x W x H)	PACKING(REEL)	AVAILABLE CABLE PIE	PLATING	MATERIAL
1	PCC1016(H-TYPE)	4.50 x 1.10 x 1.35	5,000	Ø0.5 (x2)	Ni + Sn	SUS301
2	PCC1012A	4.50 x 1.30 x 1.95	4,000	Ø0.81 (x2)	Ni + Sn	SUS301
3	PCC1012B	4.50 x 1.30 x 2.05	4,000	Ø0.81 (x2)	Ni + Sn	SUS301
4	PCC1012C	4.50 x 1.30 x 2.20	3,000	Ø0.88 (x2)	Ni + Sn	SUS301

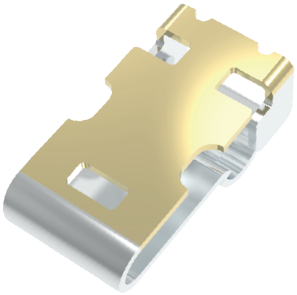
SMD CONTACT TERMINAL

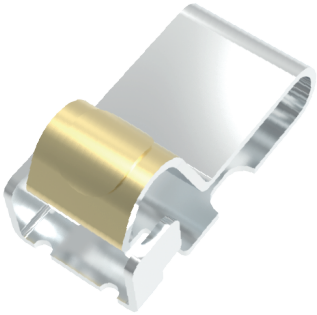


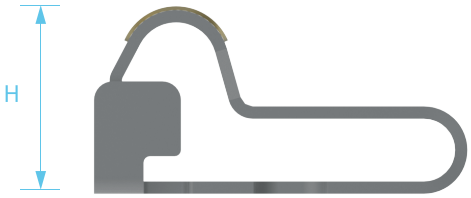


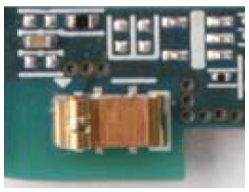








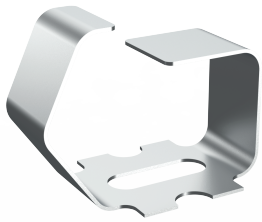




PRODUCT OVERVIEW

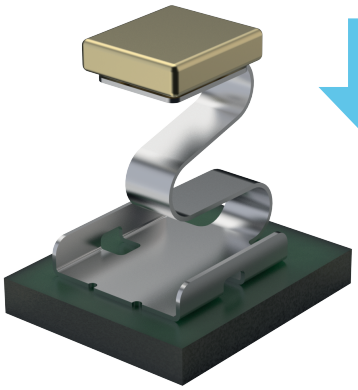
NO	PART NUMBER	SIZE(L x W x H)	MAXIMUM OPERATION DISTANCE	EFFECTIVE OPERATION DISTANCE	RECOMMENDED CONTACT HEIGHT
1	PMT1020S	2.60 x 1.00 x 1.10	0.6mm	50~80% (0.30~0.48mm)	0.62~0.8m
2	PMT1023P	3.00 x 1.50 x 1.30	0.6mm	50~80% (0.30~0.48mm)	0.82~1mm
3	PMT1046A	2.20 x 1.00 x 1.30	0.6mm	60~90% (0.76~0.94mm)	0.76~0.94mm
4	PMT1017	3.00 x 1.50 x 1.50	0.6mm	50~80% (0.30~0.48mm)	1.02~1.2mm
5	PMT1049A	2.20 x 1.00 x 1.50	0.6mm	60~90% (0.76~0.94mm)	0.96~1.14mm
6	PMT1024	3.50 x 1.50 x 2.00	0.7mm	50~80% (0.35~0.56mm)	1.44~1.65mm
7	PMT1048	4.50 x 1.50 x 3.00	1.1mm	40~70% (0.44~0.77mm)	2.23~2.56mm
8	PMT1047	4.70 x 1.10 x 4.00	1.3mm	40~70% (0.52~0.91mm)	3.09~3.48mm

HIGH STRENGTH SMD CONTACT



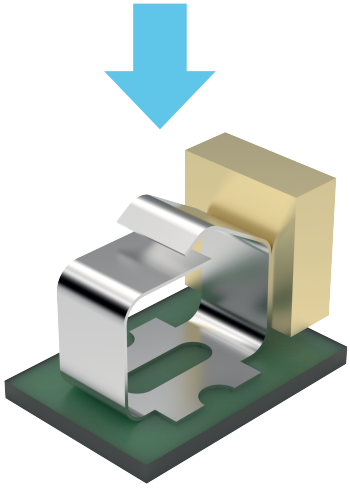
FUNCTIONAL METHOD

TOP CONTACT



Contact

MULTI CONTACT



Contact

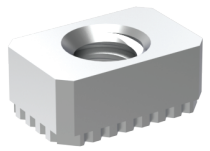
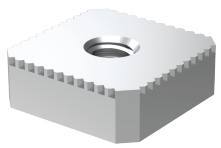
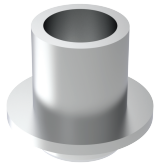
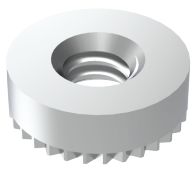
MAJOR APPLICATION

Automotive Market / Health Care Machine / Home appliance / Telematics modules / PC Board

PRODUCT OVERVIEW

NO	PART NUMBER	SIZE(L x W x H)	MAXIMUM OPERATION DISTANCE	EFFECTIVE OPERATION DISTANCE	RECOMMENDED CONTACT HEIGHT	REACTION FORCE
1	PMT1072	2.70 x 1.50 x 1.50	0.6mm	50~80%(0.30~0.48mm)	1.02~1.2mm	Vertical (1~2N)
2	PMT1092A	6.60 x 5.00 x 7.70	6.55mm	6.8~25%(0.45~1.65mm)	6.39~7.05mm	Vertical (0.6~2.8N)
3	PMT1096A	9.50 x 5.70 x 7.25	1.80mm (5.70 side)	40~70%(0.72~1.26mm)	8.6~8.87mm	Vertical (5.2~7.45N) Horizontal (~5.5N)
4	PMT1114A	7.40 x 5.60 x 9.00	2.05mm	32~65%(0.65~1.35mm)	7.65~8.35mm	Vertical (1~3N)

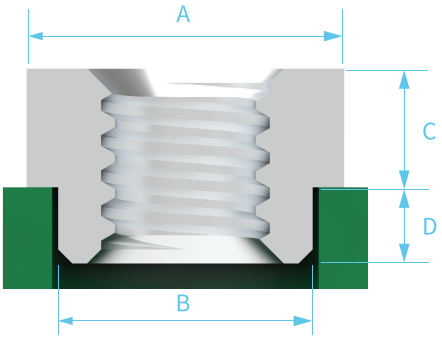
SMD PAN NUT

PRODUCT FEATURES & STRENGTHS

SMD type allows for working hours and costs to be reduced compared to the traditional hand soldering type.

Products have been already lined up in consideration of SMD type and equipment environment and the simple structure allows for the development of a variety of specifications within a short period of time.



ROUND TYPE (NUT)

PART NAME	A	B	C	D	TAP	MOQ
PPN0164	3.2ø	2.4ø	2	2	M1.4	1,500
PPN0109	2.5ø	2ø	1.1	0.4	M1.4	4,300
PPN0151	2.73ø	2.73ø	1.05	–	M1.2	6,000
PPN0195	2.73ø	2.73ø	0.9	–	M1.2	6,000
PPN0210	6.9ø	6.9ø	6	–	M3.0	800
PPN0132	3.0ø	2.25ø	1	0.65	M1.4	4,500
PPN0140	3.0ø	2.25ø	1.62	0.65	M1.4	3,000

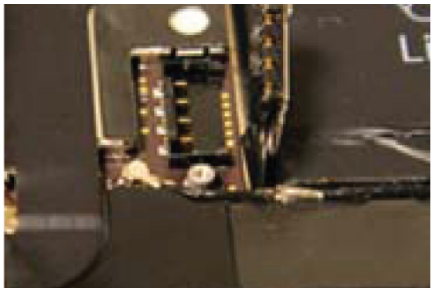
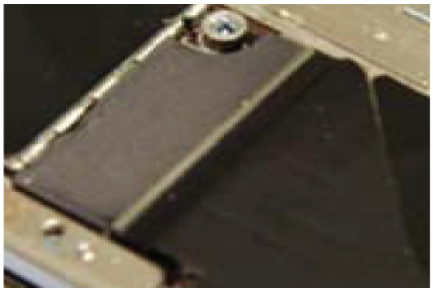
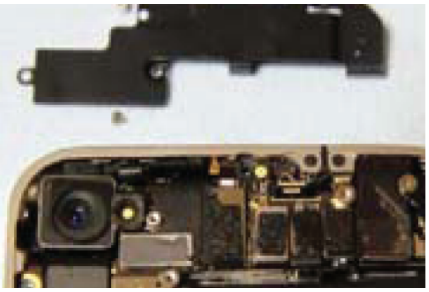
ROUND TYPE (SPACER)

PART NAME	A	B	C	D	TAP	MOQ
PPN0112	3.6ø	–	0.8	2	ø1.6	10,000
PPN0148	5.0ø	3.2ø	3.4	1.0	ø2.4	10,000
PPN0151	5.0ø	4.05ø	1.31	0.7	ø4.2	3,300

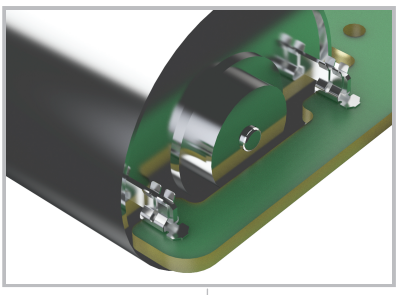
SQUARE TYPE

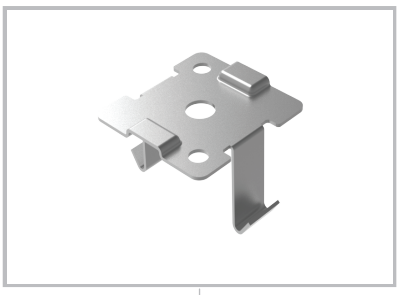
PART NAME	L	W	H	TAP	MOQ
PPN0120	2.7	1.8	1.13	M1.2	10,000
PPN0121	2.7	1.8	1.34	M1.2	10,000
PPN0168	4.02	4.02	1.35	M1.2	5,000

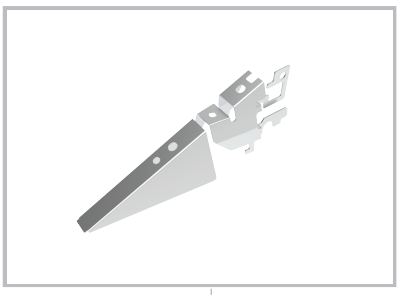
PRODUCT OVERVIEW

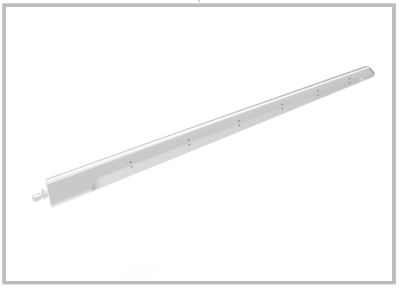




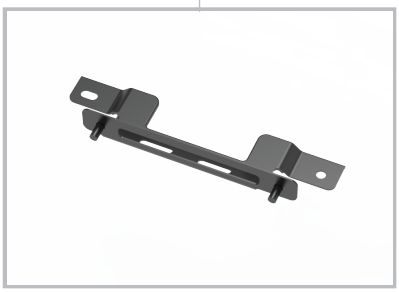
POCONS TERMINAL IN AUTOMOTIVE FIELD

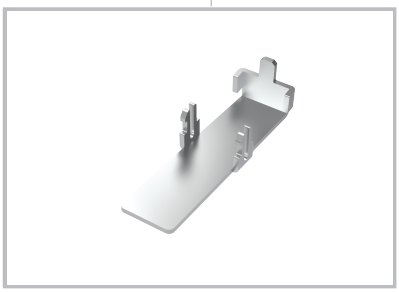




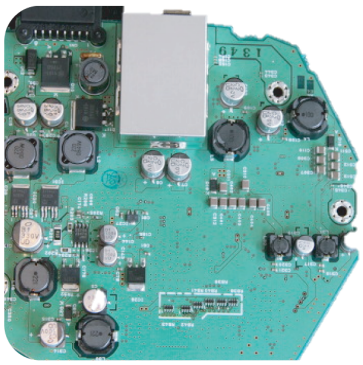








With a lot of experiences in Electronic Parts & Automotive, we can manufacture customized stamping parts in a variety of shapes and dimension.



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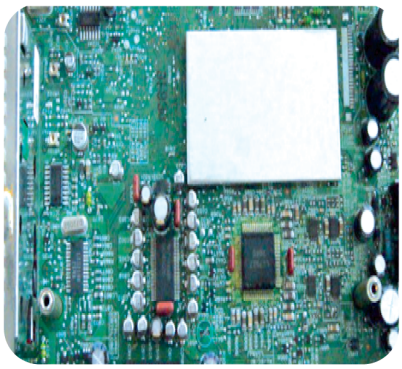
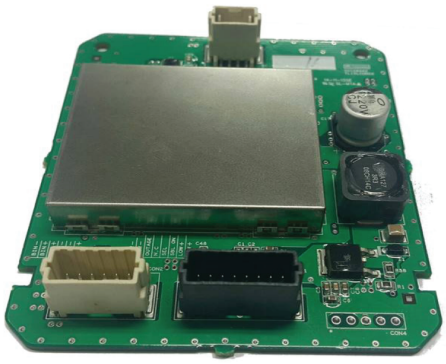


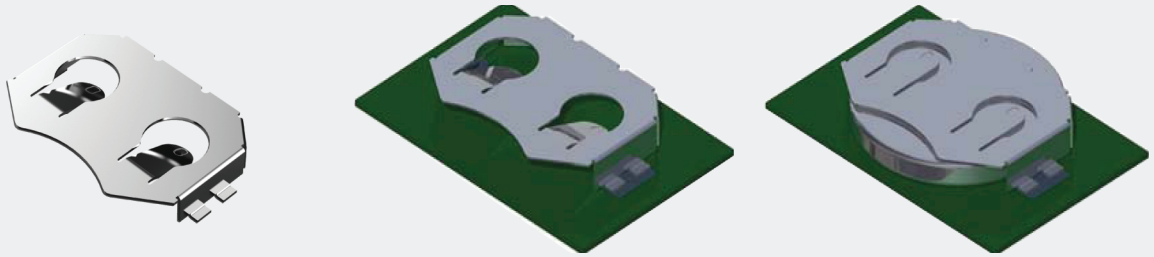
CAR INFOTAINMENT



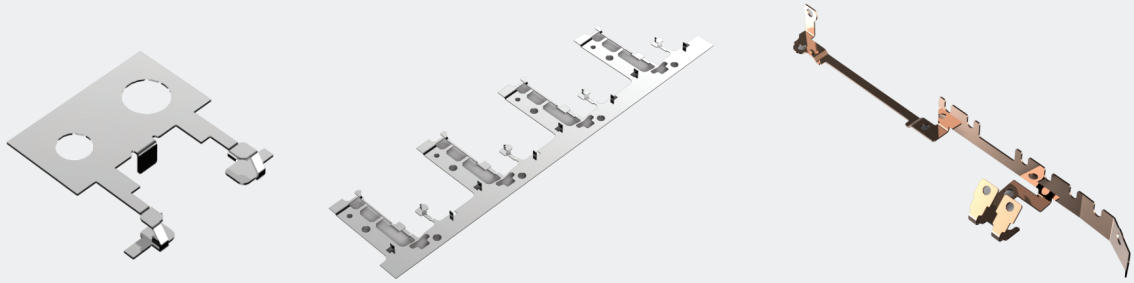
HEAD LAMP

OTHER PARTS - STAMPING PARTS

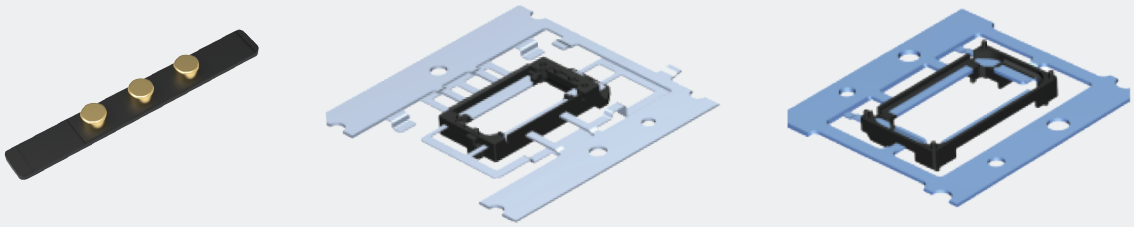
BATTERY RETAINER (FOR CR2032)



RECEIVER CONTACT



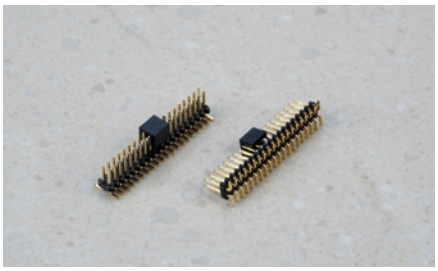
INSERT MOLDING PARTS

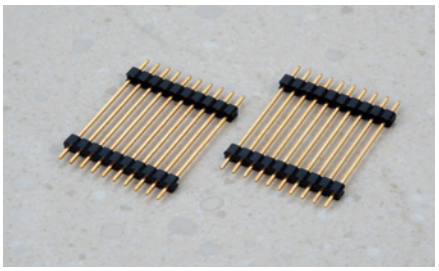
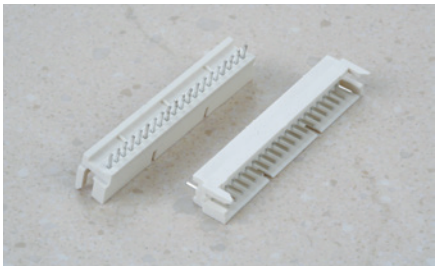
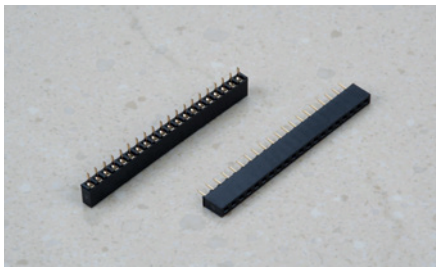
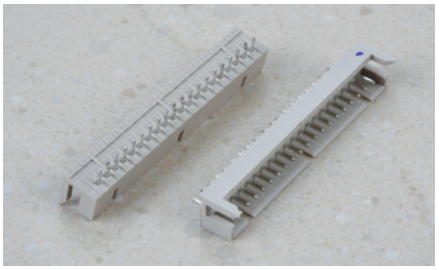
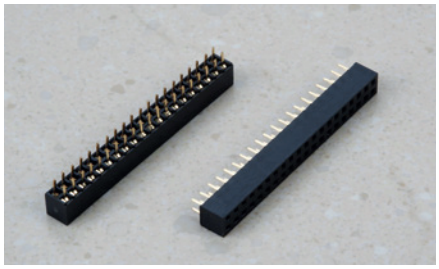


PLATES

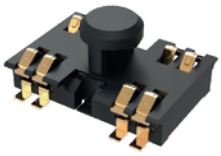
CONNECTOR SERIES

BOARD TO BOARD CONNECTOR



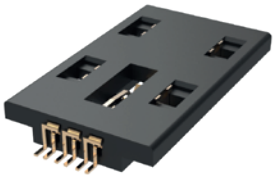






ETC CONNECTOR



PAC1002

PSC1002



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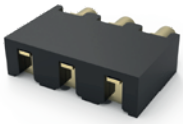
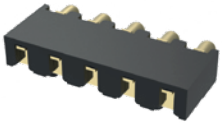
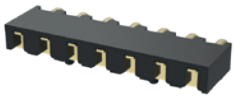


PAC1003 3P



PAC1003 5P



PAC1003 7P

COMPANY HISTORY

2006 Established POCONS
Acquired ISO 9001 / 14001

2007 Acquired Patents for Shield Can Clip
Registered as Venture Company &
Internet Trade Frontier Company

2008 Established POCONS China Shenzhen Office
(POCONS ASIA)

2009 Registered as R&D Venture Company
Selected as an expected enterprises

2011 Selected as one of Korea 100 strong enterprises
Established Vietnam Bac Ninh factory (POCONS VINA)

2012 M&A Wooju Plating as a subsidiary company

2013 Moved to a new building

2014 M&A of Metal dome business

2015 Started SMD Cushion Contact business

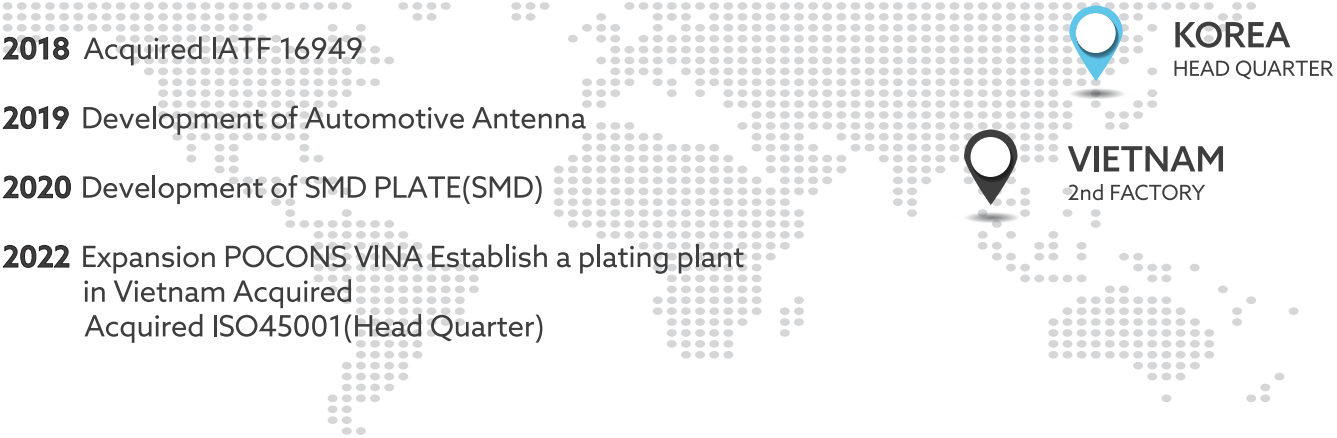
2017 Acquired TS16949 and MSQ by Hyundai Mobis

2018 Acquired IATF 16949

2019 Development of Automotive Antenna

2020 Development of SMD PLATE(SMD)

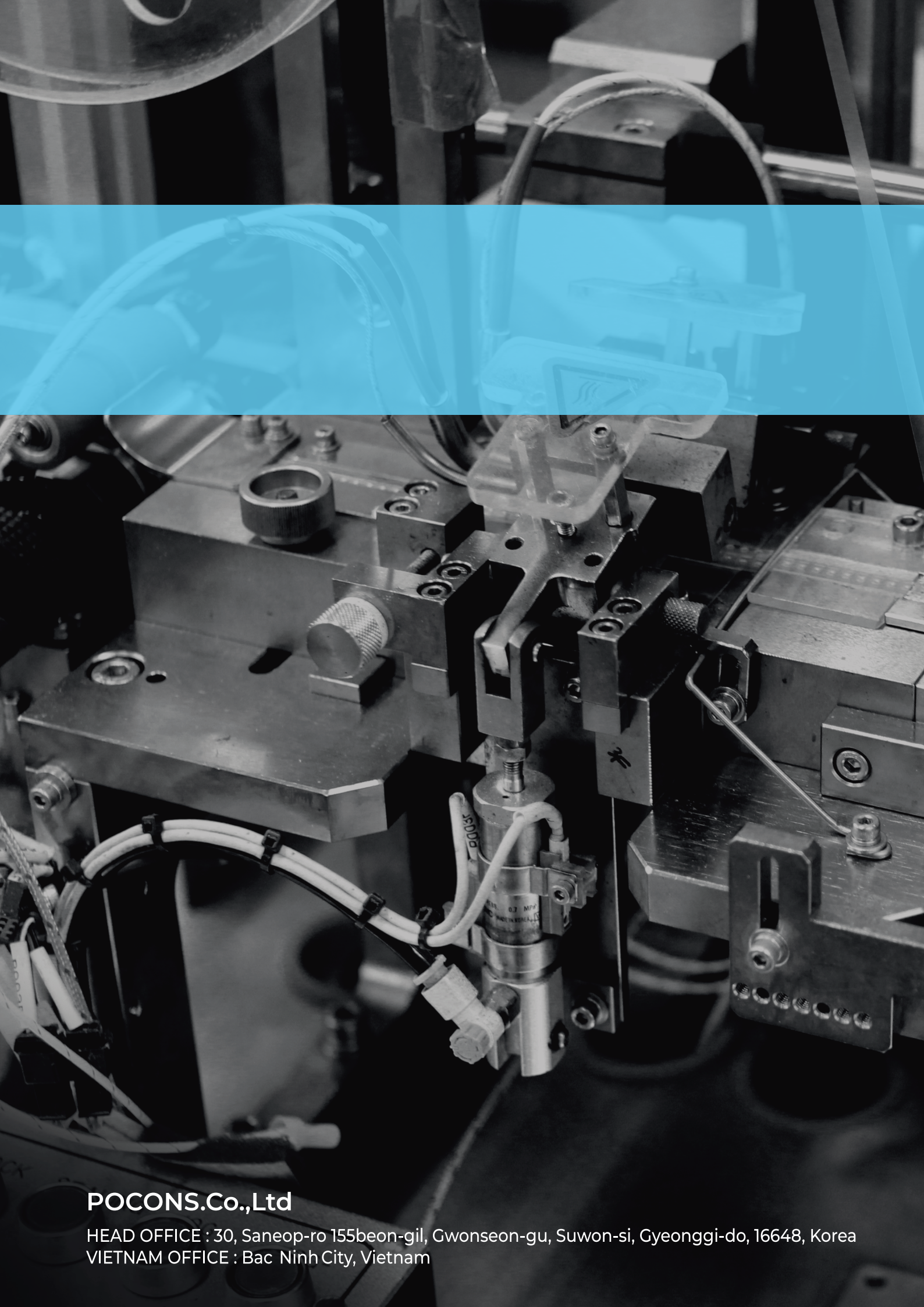
2022 Expansion POCONS VINA Establish a plating plant
in Vietnam Acquired
Acquired ISO45001(Head Quarter)



POCONS HEAD OFFICE
/ FACTORY

POCONS VIETNAM OFFICE
/ FACTORY

POCONS
COMPANY RESORT



POCONS.Co.,Ltd

HEAD OFFICE : 30, Saneop-ro 155beon-gil, Gwonseon-gu, Suwon-si, Gyeonggi-do, 16648, Korea
VIETNAM OFFICE : Bac Ninh City, Vietnam