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SEK 18 male low profile solder and press-in RoHS compliant				Recommended configuration of plated through holes for press-in termination In addition to the hot-air-level (HAL), other PCB surfaces are getting more important. Due to their different properties – such as mechanical strength and coefficient of friction – we recommend the following configuration of PCB through holes. drilled hole $\varnothing$ finished hole $\varnothing$ plating (e.g. Sn) Cu min. 25 μm <table><tr><td rowspan="3">Tin plated PCB (HAL) acc. to EN 60352-5</td><td>Drilled hole $\varnothing$</td><td>1,15-0,03 mm</td></tr><tr><td>Cu</td><td>min. 25 μm</td></tr><tr><td>Sn</td><td>max. 15 μm</td></tr><tr><td rowspan="3">Chemical tin plated PCB</td><td>plated hole $\varnothing$</td><td>0,94 - 1,09 mm</td></tr><tr><td>Drilled hole $\varnothing$</td><td>1,15-0,03 mm</td></tr><tr><td>Cu</td><td>min. 25 μm</td></tr><tr><td rowspan="3">Gold /Nickel plated PCB</td><td>Sn</td><td>min. 0,8μm</td></tr><tr><td>plated hole $\varnothing$</td><td>1,00 - 1,10 mm</td></tr><tr><td>Drilled hole $\varnothing$</td><td>1,15-0,03 mm</td></tr><tr><td rowspan="3">Silver plated PCB</td><td>Cu</td><td>min. 25 μm</td></tr><tr><td>Ag</td><td>0,1 - 0,3 μm</td></tr><tr><td>plated hole $\varnothing$</td><td>1,00 - 1,10 mm</td></tr><tr><td rowspan="3">Copper plated PCB (OSP)</td><td>Drilled hole $\varnothing$</td><td>1,15-0,03 mm</td></tr><tr><td>Cu</td><td>min. 25 μm</td></tr><tr><td>plated hole $\varnothing$</td><td>1,00 - 1,10 mm</td></tr></table>				Tin plated PCB (HAL) acc. to EN 60352-5	Drilled hole $\varnothing$	1,15-0,03 mm	Cu	min. 25 μ m	Sn	max. 15 μ m	Chemical tin plated PCB	plated hole $\varnothing$	0,94 - 1,09 mm	Drilled hole $\varnothing$	1,15-0,03 mm	Cu	min. 25 μ m	Gold /Nickel plated PCB	Sn	min. 0,8 μ m	plated hole $\varnothing$	1,00 - 1,10 mm	Drilled hole $\varnothing$	1,15-0,03 mm	Silver plated PCB	Cu	min. 25 μ m	Ag	0,1 - 0,3 μ m	plated hole $\varnothing$	1,00 - 1,10 mm	Copper plated PCB (OSP)	Drilled hole $\varnothing$	1,15-0,03 mm	Cu	min. 25 μ m	plated hole $\varnothing$	1,00 - 1,10 mm																																																									
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Derating diagram acc to IEC 60512-2 (Current carrying capacity) The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals. The current capacity-curve is valid for continuous, not interrupted current-loaded contacts of connectors when simultaneous power on all contacts is given without exceeding the maximum temperature. Control and test procedures according to DIN IEC 60512. 1) Temperature rise 2) Derating 3) Derating curve at I max x 0.8(IEC 60512-2) Working current [A] Ambient temperature [°C]				All Dimensions in mm Original Size DIN A3 All rights reserved Department EC PD - DE <table><tr><td>Scale</td><td colspan="2">Free size tol.</td><td colspan="2">Ref.</td></tr><tr><td>1:1</td><td colspan="2"></td><td colspan="2">Sub. DS 09181100001 / 500000101780 / 2016-07-25</td></tr><tr><td>Created by</td><td>Inspected by</td><td>Standardisation</td><td>Date</td><td>State</td></tr><tr><td>STORCK</td><td>LEHNERT</td><td>HOFFMANN</td><td>2016-09-05</td><td>Final Release</td></tr><tr><td colspan="4">Title</td><td>Doc-Key / ECM-Nr.</td></tr><tr><td colspan="4">SEK 18 male low profile solder and press-in</td><td>100554984/UGD/001/F 500000107692</td></tr><tr><td>Type</td><td colspan="2">Number</td><td>Rev.</td><td>Page</td></tr><tr><td>DS</td><td colspan="2">09181100001</td><td>F</td><td>1/1</td></tr></table> HARTING Electronics GmbH D-32339 Espelkamp				Scale	Free size tol.		Ref.		1:1			Sub. DS 09181100001 / 500000101780 / 2016-07-25		Created by	Inspected by	Standardisation	Date	State	STORCK	LEHNERT	HOFFMANN	2016-09-05	Final Release	Title				Doc-Key / ECM-Nr.	SEK 18 male low profile solder and press-in				100554984/UGD/001/F 500000107692	Type	Number		Rev.	Page	DS	09181100001		F	1/1																																																				
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

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