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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. <table><tr><td rowspan="3">Tin plated PCB (HAL) acc. to EN 60352-5</td><td>Drilled hole Ø</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">plated hole Ø</td><td></td><td>0,94 – 1,09 mm</td></tr><tr><td>Drilled hole Ø</td><td>1,15-0,03 mm</td></tr><tr><td>Cu</td><td>min. 25 µm</td></tr><tr><td rowspan="3">Chemical tin plated PCB</td><td>Sn</td><td>min. 0,8µm</td></tr><tr><td>plated hole Ø</td><td>1,00 – 1,10 mm</td></tr><tr><td>Drilled hole Ø</td><td>1,15-0,03 mm</td></tr><tr><td rowspan="5">Gold /Nickel plated PCB</td><td>Cu</td><td>min. 25 µm</td></tr><tr><td>Ni</td><td>3 – 7 µm</td></tr><tr><td>Au</td><td>0,05 – 0,12 µm</td></tr><tr><td>plated hole Ø</td><td>1,00 – 1,10 mm</td></tr><tr><td>Drilled hole Ø</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 Ø</td><td>1,00 – 1,10 mm</td></tr><tr><td rowspan="3">Copper plated PCB (OSP)</td><td>Drilled hole Ø</td><td>1,15-0,03 mm</td></tr><tr><td>Cu</td><td>min. 25 µm</td></tr><tr><td>plated hole Ø</td><td>1,00 – 1,10 mm</td></tr></table>				Tin plated PCB (HAL) acc. to EN 60352-5	Drilled hole Ø	1,15-0,03 mm	Cu	min. 25 µm	Sn	max. 15 µm	plated hole Ø		0,94 – 1,09 mm	Drilled hole Ø	1,15-0,03 mm	Cu	min. 25 µm	Chemical tin plated PCB	Sn	min. 0,8µm	plated hole Ø	1,00 – 1,10 mm	Drilled hole Ø	1,15-0,03 mm	Gold /Nickel plated PCB	Cu	min. 25 µm	Ni	3 – 7 µm	Au	0,05 – 0,12 µm	plated hole Ø	1,00 – 1,10 mm	Drilled hole Ø	1,15-0,03 mm	Silver plated PCB	Cu	min. 25 µm	Ag	0,1 – 0,3 µm	plated hole Ø	1,00 – 1,10 mm	Copper plated PCB (OSP)	Drilled hole Ø	1,15-0,03 mm	Cu	min. 25 µm	plated hole Ø	1,00 – 1,10 mm																																																							
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Please refer to the catalogue for tools, machines and further information about the press-in process. Soldering instructions The connectors should be protected when being soldered in a dip, flow or film soldering baths. Otherwise, they might become contaminated as a result of soldering operations or deformed as a result of overheating. (1) For prototypes and short runs protect the connectors with an industrial adhesive tape, e.g. Tesaband 4331 (www.tesa.de). Cover the underside of the connector moulding and the adjacent parts of the pcb as well as the open sides of the connector. This will prevent heat and gases of the soldering apparatus from damaging the connector. About 140 + 5 mm of the tape should suffice. (2) For large series a jig is recommended. Its protective cover with a fast action mechanical locking device shields the connectors from gas and heat generated by the soldering apparatus. As an additional protection a foil can be used for covering the parts that should not be soldered. Packaging material (only for plastic tray) <table><tr><td>Material</td><td>Polystyrol</td></tr><tr><td>Color</td><td>Yellow</td></tr><tr><td>Standardization</td><td>acc. to DIN EN / IEC 61340-5-1 and ANSI / ESD S541-2003</td></tr></table> - Safe protection for electronic components against electrostatic charges Cross section of solder terminations				Material	Polystyrol	Color	Yellow	Standardization	acc. to DIN EN / IEC 61340-5-1 and ANSI / ESD S541-2003
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All rights reserved Department EC PD - DE HARTING Electronics GmbH D-32339 Espelkamp TypeDS Number09181100001 Scale1:1 Free size tol. Created bySTORCK Inspected byLEHNERT StandardisationHOFFMANN Date2016-09-05 StateFinal Release TitleSEK 18 male low profile solder and press-in Doc-Key / ECM-Nr. 100554984/UGD/001/F 500000107692 Rev.F Page1/1																																																																																																												
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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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