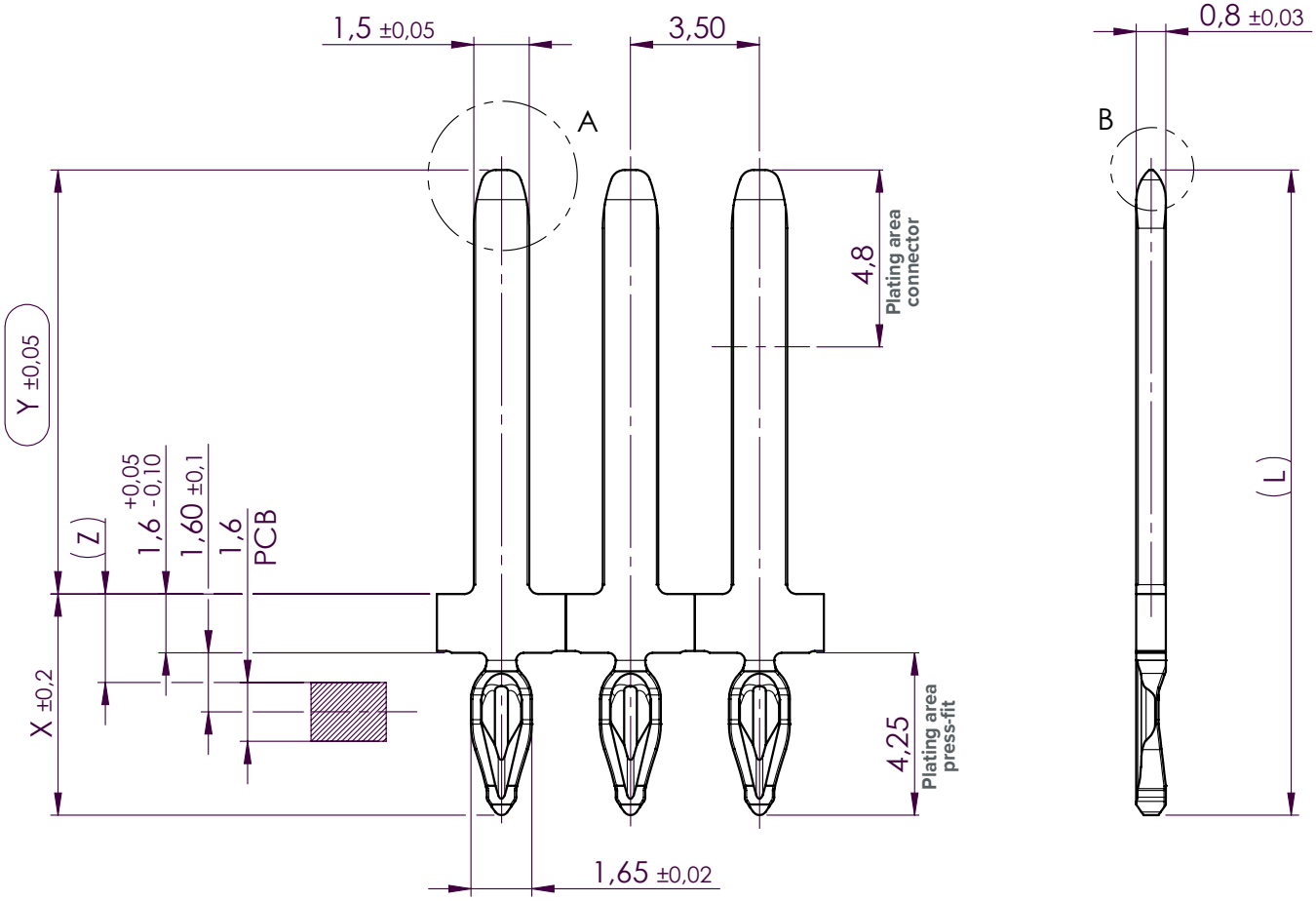
DIEHL
Metal Applications

DMA STANDARD PINS FOR SINGLE PIN INSERTION (SPI)

1,5 X 0,8 PRESS-FIT PIN

SPECIFICATIONS

Material:	CuNi3SiMg R620 (C70250)
Electrical conductivity:	43% IACS
Type of press-fit zone:	EE08



Dimensions [mm]			
X	Y	Z	L
5,85	10,5	2,4	16,35
5,85	11,5	2,4	17,35

Connector plating variants
Ni 1,0 - 2,2µm, Sn mt 1 - 3µm
Ni 1,0 - 3,0µm, Ag 1,5 - 5,0µm*2
Ni 1,0 - 2,2µm, Au 0,8 - 2,0µm*1

Press-fit zone plating variants
Ni 1 - 3µm, Sn mt 0,3 - 1,1µm
Ni 1 - 3µm, DMA Adv. Indium 0,3 - 1,1µm
Ni 1,3 - 2,2µm, DMA Adv. AgSn 0,35 - 0,75µm

*1 (AuCo alloy (Hard gold) with 0.2 - 0.3 % Co)

*2 (Fine silver with 75 - 95 HV and Thiol passivation)

1,5 X 0,8 PRESS-FIT PIN

PARAMETER

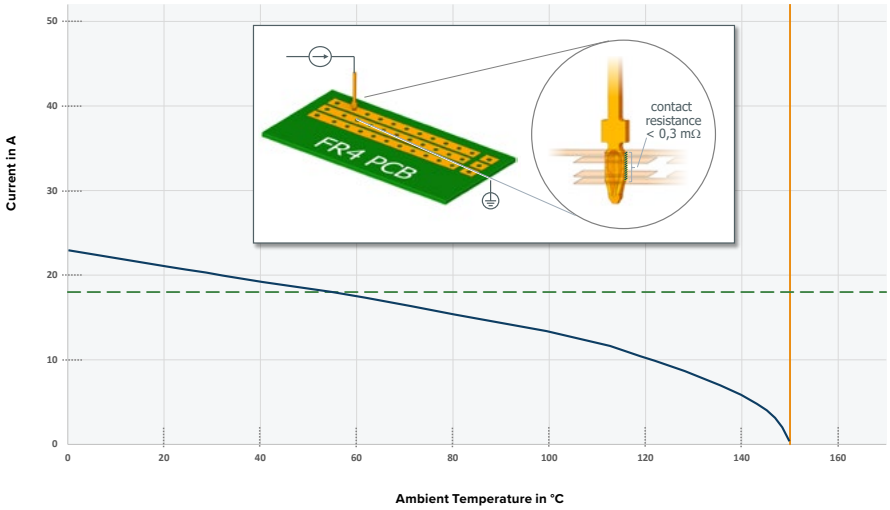
Press-fit connection	
Operating temperature [°C]	-40 bis +150
Push-in force [N]	< 150
Push-out force [N]	> 25*
Contact resistance [µOhm]	≤ 300

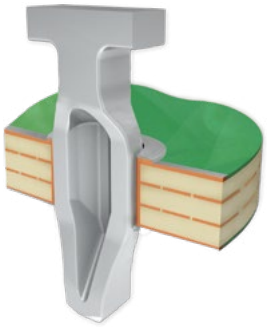
*Typical force limit for nominal hole

Tested according to IPC-9797 on test PCBs

Printed circuit board (PCB)	
Final hole diameter [mm]	1,45 + 0,1
Copper thickness Plated-Through Hole [µm]	> 25 ... ≤ 55
Surface finish	iSn OSP
PCB thickness [mm]	1,6 ± 10%
Annular ring [mm]	0,25 – 0,35
Material quality	min. FR4

Derating graph for press-fit type EE08

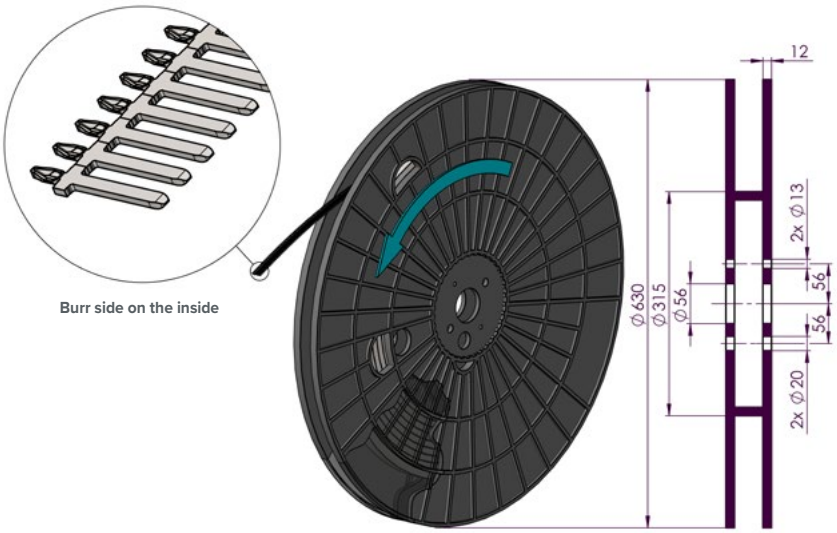




Limit temperature
Derating graph
Max. test current

Derating measurement acc. to DIN EN 60512-5-3

PACKAGING



Burr side on the inside

Connector length [mm]	Quantity per reel [approx. pcs.]	Weight per reel [approx. kg]
10,5	50.000	16,0
11,5	50.000	16,0

Maximum 2 cut-off points; not attached

For further processing and storage, please refer to the information sheet on the handling of our flexible press-fit zones.

Please scan the QR code to get to the order form.

Reel type: Haefner tape reel BSL

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