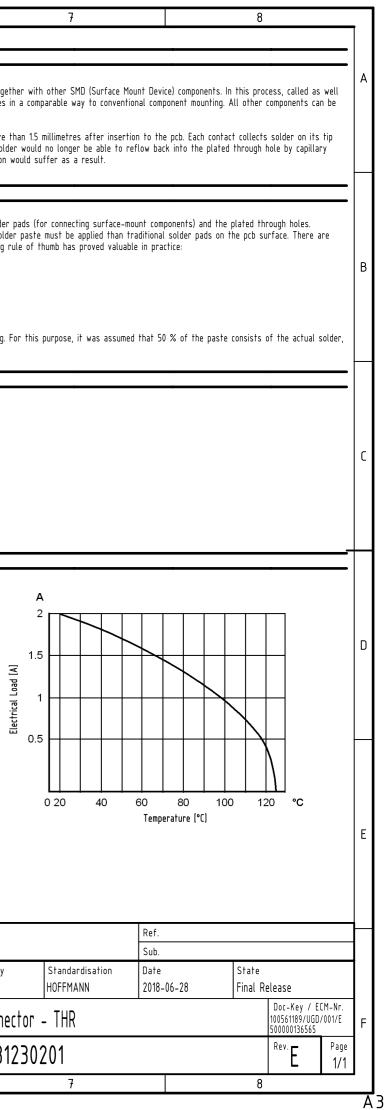
Γ	1		2	3		4		5		6			
Δ	HARTING DIN Sid	ınal m	ale connecto	or – THR		c RL us	RoHS.	Soldering instructions					
,,									THR (Through Hole Reflow) connectors are designed to be used in a reflow oven togeth "Pin in Hole Intrusive Reflow", the connectors are inserted into plated through holes in assembled on the pcb surface.				
	General information								tor contacts should	d be such that t	hey protrude	e by no more th	
									der paste in the ho ng process, therefo	le. So if the con	itact is too l	long, this solder	
	Design IEC 60603-2 types: B, 2B, 3B, C, 2C, 3C, M male No. of contacts max. 96								ig process, merero	re me quairy o			
	No. of contact spacing 2,54mm								<u>-</u>	<u> </u>			
	Test voltage 1000V												
	Contact resistance max. 15mOhm								re assembled, solde ed through holes ar	er paste must be	e applied to	all the solder p	
	Insulation resistance min. 10°0hm Working current 2A at 20°C (only signal contacts, see derating diagram)								hods available which	h are complicate	d to apply. T	The following ru	
В	-55°C +125°C												
	Temperature range max. 15s at 240°C for reflow soldering								a of coldon pacto				
	Termination technology SMC with solder pins								 VPaste = Required volume of solder paste VH = Volume of the plated through hole VP = Volume of the connector termination in the hole 				
	Clearance & creepage distance min. 1,2mm each 16-pole max. 15N 20-pole max. 20N								ector termination in	n fhe hole			
	Insertion and withdrawal force 30-pole max. JON 20-pole max. ZUN							Comment: the multiplier " the other 50 % being sol	2" compensates for	solder paste sl	hrinkage duri	ing soldering. Fo	
_	48-pole max. 45N 64-pole max. 60N 96-pole max. 90N							uerniy alus.					
	Mating cycles acc. to performance level, see table below							Cross section of solder	pins				
	UL file E102079 RoHS - compliant Yes												
	Leadfree Yes												
	Hot plugging		No					0,6_0,025					
C								0'9'					
	Insulator material												
	Material PCT (thermoplastics, glass fiber reinforcement 30%)												
	Colour natural coloured, colour deviations and speckles permitted UL classification UL 94-V0												
	OE classification OE 94-96 Material group acc. IEC 60664-1 II (400 CTI < 600)								IEC 60512-5 (Currer	nt carrying capa	city)		
	NFF classification 13, F3								acity is limited by r	naximum tempera	ature		
									and contacts includ	ling terminals.			
									ve is valid for cont	inuous, non			
D	Contact material								ed contacts of conn ll contacts is given,	iectors when , without exceed	ing		
									2.			[A]	
	Contact material Copper alloy Plating termination zone Sn over Ni								Control and test procedures according to DIN IEC 60512-5				
	Plating contact zone acc. to performance level, see table below												
												Flart	
E			mating cycles					-					
	performance level		acc. to IEC 60603-2	03-2 complementary acc. to IEC 60603-2		plating contact zone							
	1		500			Au over PdNi over Ni		-					
	2		400			Au over PdNi over Ni		-					
	3 50				Au over PdNi over Ni		-						
	NM30 (S4)		50	500	min (),76µm (30µinch) noble metal (alloy)	OVOF Ni	-					
	Au1		500	000	IIIII. (Au over Ni		-					
	Au1 Au2		400				Au over Ni						
	Au30		+00	500		min. 0,76µm (30µinch) Au over Ni			imensions in mm	Scale	Free size t	tol.	
	Au50		500		min. 0,76µm (Sopinch) Au over Ni min. 1,27µm (Sopinch) Au over Ni				nal Size DIN A3	1:1			
	Au70			500		min. 1,60µm (70µinch) Au over Ni			ka ananawad	Created by	Ir	nspected by	
	Au90			500		min. 2,00µm (90µinch) Au over Ni			ts reserved	STORCK		EHNERT	
	Standard plating options highlighted in <i>italic</i> , other plating options are available on request.							- Department	EC PD – DE		L		
	stanuaru pratning options nightighteu in <i>manic</i> , other pratning options are avairable on request.									Title DIN S	oignal ma	ale connec	
								HARTING Electronics Gm	DH	Type DS	Numbe	° 090312	
1								D-32339 Espelkamp		L D2			
	1		2	3		4	_	5		6			



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