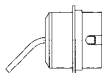
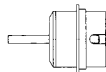
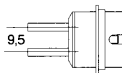


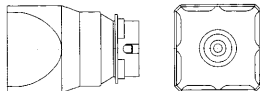
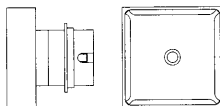
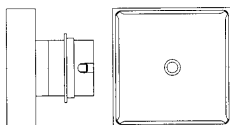
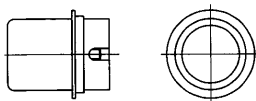
Hot air nozzles with vacuum inserts for use with: WHA 700 (HAP 3), WHA 2000 (HAP 2)

Model	Dimensions A x B		Component		Order-No.
Round nozzles					
NR 02		 $\varnothing 1,7 \times 4,5^\circ$ bent (without vacuum)			5 87 368 82
NR 04		 $\varnothing 2,5$ (without vacuum)			5 87 368 81
NR 05		 $\varnothing 4 \text{ mm}$ (without vacuum)	SO 8	(50 MIL/1,27 mm)	5 87 368 67
NR 10		 $\varnothing 7 \text{ mm}$ (without vacuum)			5 87 368 70
DR 05		 $2 \times \varnothing 2,5 \times 9,5 \text{ mm}$ (without vacuum)			5 887 368 83
2-sides heated (Type ND)					
ND SK335/A		8,5 x 20,0 mm	TSOP 20/0.5P		5 87 369 32
ND SK535/B		10,5 x 20,0 mm	TSOP 40/0.5P		5 87 369 33
ND SK535/C		14,0 x 20,0 mm	TSOP 56/0.5P		5 87 369 34
ND 05		 10,7 x 10,7 mm	SO 14 SO 16	(50 MIL/1,27 mm) (50 MIL/1,27 mm)	5 87 368 43
ND 10		 14,0 x 10,0 mm	SOL 14 SOL 16 SOL 16-J SOL 20 SOL-J 20	(50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm)	5 87 368 42
ND 15		 19,0 x 12,0 mm	SOL 24 SOL-J 24 SOL 28 SOL-J 28	(50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm)	5 87 368 41
ND 20		 21,5 x 14,8 mm	SOL 32	(50 MIL/1,27 mm)	5 87 368 40

Hot air nozzles with vacuum inserts for use with: WHA 300, WHA 700 (HAP 3), WHA 2000 (HAP 2)

Model	Dimensions		Component		Order-No.
all 4 sides heated (Type NQ)					
NQ 05	10,7 x 10,7 mm	 	PLCC 20 LCCC14 LCCC 24 C-QFP 24 QFP 84	(50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm) (20 MIL/0,50 mm)	5 87 368 39
NQ 10	14,8 x 14,8 mm	 	PLCC 28 QFP 44 LCCC 28 QFP 48	(50 MIL/1,27 mm) (31 MIL/0,80 mm) (50 MIL/1,27 mm) (30 MIL/0,75 mm)	5 87 368 18
NQ 15	14,5 x 10,0 mm	 	PLCC 32R		5 87 368 38
NQ 20	15,5 x 13,0 mm	 			5 87 368 37
NQ 25	18,0 x 18,0 mm	 	PLCC 44 CLCC 44 PQFP 44 PQFP 60 QFP 64 QFP 60 TSOP 100 QFP 100	(50 MIL/1,27 mm) (50 MIL/1,27 mm) (31 MIL/0,80 mm) (31 MIL/0,80 mm) (31 MIL/0,80 mm) (25 MIL/0,65 mm) (20 MIL/0,50 mm) (20 MIL/0,50 mm)	5 87 368 14
NQ 30	17,5 x 23,5 mm	 	QFP 56 QFP 60 QFP 64 QFP 80 QFP 88 QFP 100	(39 MIL/1,0 mm) (39 MIL/1,0 mm) (39 MIL/1,0 mm) (31 MIL/0,8 mm) (25 MIL/0,65 mm)	5 87 507 21
NQ 35	20,5 x 20,5 mm	 	PLCC 52 BQFP 84	(50 MIL/1,27 mm) (25 MIL/0,65 mm)	5 87 368 07
SK 460/A	24,0 x 12,0 mm	 	Q-CPM-9401		5 87 368 80
NQ 40	26,0 x 26,0 mm	 	C-QFP 64 PLCC 68 CLCC 68	(50 MIL/1,27 mm) (50 MIL/1,27 mm) (50 MIL/1,27 mm)	5 87 368 04

Hot air nozzles with vacuum inserts for use with: WHA 300, WHA 700 (HAP 3), WHA 2000 (HAP 2)

Model	Dimensions	Component		Order-No.
NQ 45	31,3 x 31,3 mm	CLCC 84	(50 MIL/1,27 mm)	5 87 368 33
		PLCC 84	(50 MIL/1,27 mm)	
		QFP 100	(31 MIL/0,80 mm)	
		QFP 120	(31 MIL/0,80 mm)	
		QFP 128	(31 MIL/0,80 mm)	
		QFP 132	(25 MIL/0,65 mm)	
		QFP 136	(25 MIL/0,65 mm)	
		QFP 144	(25 MIL/0,65 mm)	
		QFP 160	(25 MIL/0,65 mm)	
		QFP 120	(14 MIL/0,35 mm)	
		C-QFP 80	(50 MIL/1,27 mm)	
		BQFP 164	(25 MIL/0,65 mm)	
		BQFP 132	(25 MIL/0,65 mm)	
		MQUAD 208L	(19,7 MIL/0,50 mm)	
		MQUAD 184L	(19,7 MIL/0,65 mm)	
		MQUAD 144L	(19,7 MIL/0,50 mm)	
		QFP 208	(19,7 MIL/0,50 mm)	
				
NQ 50	36,0 x 36,0 mm	QFP 240	(19,7 MIL/0,50 mm)	5 87 368 91
				
NQ 55	43,0 x 43,0 mm	CQFP 304	(19,7 MIL/0,50 mm)	5 87 368 90
				
NA 20	Measuring nozzles			5 87 368 75
				
NQS	11,5 x 14,0 mm	PLCC 32R	Socket	5 87 339 44
NQS	16,5 x 16,5 mm	PLCC 44	Socket	5 87 399 45

Remark: special design on request.