

TECH INFO – BGA SOLDER NOZZLES



MARTIN Solder Nozzles are designed and tested using the latest technologies such as thermal imaging to provide superior thermal uniformity and efficient heat transfer, ensuring complete and simultaneous interconnect reflow.

All nozzles share a common heater interface used on all MARTIN Rework Systems. A variety of Solder Nozzle are available including predefined sets for BGAs, SOs, QFPs, CSPs, and QFNs. Individual Solder Nozzles are also available for standard SMDs or connectors.

Specialty Solder Nozzles can be created to fit custom designs like i.e. shielding, increase yields or for process optimization, along with developing custom Solder Nozzles to meet specific Rework requirements.

Please find here a selection of standard solder nozzles for reference and a guide how to pick the correct type.

Features

LW40.1099 Solder Nozzle Set BGA 7 pieces

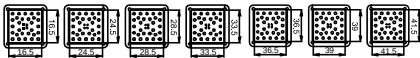
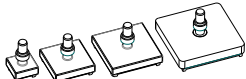
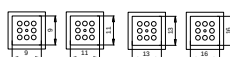
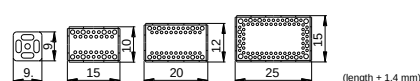
- 1x Nozzle for BGA 15x15mm²
- 1x Nozzle for BGA 23*23mm²
- 1x Nozzle for BGA 27*27mm²
- 1x Nozzle for BGA 31*31mm²
- 1x Nozzle for BGA 33*33mm²
- 1x Nozzle for BGA 35*35mm²
- 1x Nozzle for BGA 37.5*37.5mm²

Technical Data

Uniformity	Up to ±2°C dependent on Nozzle Uniformity Doc upon request
Material	Isolated Cover: PEEK / Teflon Inner Nozzle: Al + Stainless Steel
Temperature Range:	-20°C up to 450°C

BGA SOLDER TOOLS (Standard)

Selection of Standard Tools and Tool Sets

LW40.1099	Solder Nozzle Set BGA 7 pieces (15, 23, 27, 31, 35, 27.5, 40)		1 piece
LW40.1103	Solder Nozzle Set BGA 4 4 pieces (15, 27, 35, 40)		1 piece
LW40.1024	Solder Nozzle for BGA size 15*15mm i.e. for BGA196...		1 piece
LW40.1009	Solder Nozzle for BGA size 23*23mm i.e. for BGA169/256f...		1 piece
LW40.1011	Solder Nozzle for BGA size 27*27mm i.e. for BGA225...		1 piece
LW40.1020	Solder Nozzle BGA 31*31mm i.e. for BGA329/529...		1 piece
LW40.1069	Solder Nozzle for BGA size 33*33mm i.e. for BGA...		1 piece
LW40.1015	Solder Nozzle for BGA size 35*35mm i.e. for BGA313/676...		1 piece
LW40.1016	Solder Nozzle for BGA size 37.5*37.5mm i.e. for BGA313s/841...		1 piece
LW40.1040	Solder Nozzle for BGA size 40*40mm i.e. for BGA596/900...		1 piece
LW40.1021	Solder Nozzle for BGA size 42.5*42.5mm i.e. for BGA540s/1024		1 piece
Star Tools are available for many SMD sizes. Please contact MARTIN for more Info.			
LW40.1097	Solder Nozzle Set CSP/QFN 4 pieces (9,11, 13, 16)	 (length + 1.4 mm)	1 piece
LW01.0400	Soldering Tool Set SO for SO...SOL...TSOP, 4 pieces (9, 15, 20, 25)	 (length + 1.4 mm)	1 piece
HT00.0119	Flux Creme lead free 18g 0506 MA, no clean, REL0, with Brush	 Lead free	1 piece
HT00.0062	Kapton-Tape 19mm*5,5m	 19mm	1 piece