

Dispensing Needles / Syringe Tips (Luer Lock)

Product Highlights

Industrial dispensing tips in Straight Stainless Steel (0.25", 0.5", 1.0", 1.5", 2.0" length), 45 Degree Bent Stainless Steel, Conical Plastic Tapered Tip (TT) (1.25" and 60mm lengths), 30 Degree Bent Conical Plastic Tapered Tip (TT), Brush Tip (4mm and 10mm flat, 5mm and 8mm round), Polytetrafluoroethylene (PTFE), Polypropylene (PP), Solid Stainless steel, ESD Black Plastic Conical Tapered Tip (TT), and Flat Stainless Steel.

Excellent for dot dispensing and line dispensing of flux, solder paste, and other fluids.

Fits most standard syringes, including 5cc, 10cc, and 30cc.

Fits all Chip Quik® flux and solder paste syringes (Search Chip Quik® base part numbers for flux and solder paste: SMD291, SMD4300, SMDTLFP and TS391).

Notes

Tip colors may vary. Counted by weight.

Base part number default pack size is qty 100. Extend part number with "-QTY10" for 10 packs or "-QTY1000" for 1000 packs.

Except for Solid Stainless Steel which has default pack size of qty 12, Flat Stainless Steel which are sold in 10 packs, and Brush Tips which are packaged individually.

Specifications and Orderable Part Numbers

Gauge	Color	Tapered Tip Dimensions		Straight Stainless Steel (1/2" needle length)	Conical Plastic (Tapered Tip) (1.25" total length)
		ID (mm)	OD (mm)		
8	Transparent Purple	3.40	4.10		SMDC-8G
10	Pale Green	3.00	3.80		SMDC-10G
11	Light Orange	2.50	3.20		SMDC-11G
12	Dark Blue / Brick Red	2.34	3.00	SMDN-12G	
13	Dark Red / Light Blue	2.00	2.70	SMDN-13G	SMDC-13G
14	Dark Green / Olive	1.60	1.84	SMDN-14G	SMDC-14G
15	Amber	1.36	1.70		SMDC-15G
16	Dark Grey / Black	1.19	1.64	SMDN-16G	SMDC-16G
17	Light Brown	1.00	1.47		
18	Green	0.84	1.27	SMDN-18G	SMDC-18G
19	Coffee / Brown / Black	0.69	1.07	SMDN-19G	
20	Pink / Dark Grey	0.58	0.91	SMDN-20G	SMDC-20G
21	Purple	0.51	0.82	SMDN-21G	
22	Blue	0.41	0.72	SMDN-22G	SMDC-22G
23	Orange / Dark Orange	0.34	0.64	SMDN-23G	SMDC-23G
24	Bright Red	0.30	0.55		
25	Red / Pink	0.25	0.51	SMDN-25G	SMDC-25G
26	Beige / Transparent Orange	0.23	0.46	SMDN-26G	SMDC-26G
27	Transparent / Red	0.20	0.41	SMDN-27G	SMDC-27G
28	White	0.18	0.35	SMDN-28G	
30	Light Purple / Black	0.16	0.31	SMDN-30G	SMDC-30G
32	Yellow	0.12	0.31	SMDN-32G	SMDC-32G
34	Light Green	0.08	0.24	SMDN-34G	
Mix Packs				SMDN-MIX18	SMDC-MIX12
				SMDTA200	SMDTA30
Tip Caps				SMDTC100	SMDTA29

Gauge	Color	Tapered Tip Dimensions		Brush Tip 4mm Flat (1.5" total length) Stainless Steel Tip inside Nylon Brush	Brush Tip 8mm / 5mm Round (1.5" total length) Stainless Steel Tip inside Nylon Brush	Brush Tip 10mm Flat Round (1.5" total length) Stainless Steel Tip inside Nylon Brush
		ID (mm)	OD (mm)			
8	Transparent Purple	3.40	4.10			
10	Pale Green	3.00	3.80		SMDB-8MMR-10G	SMDB-10MMF-10G
11	Light Orange	2.50	3.20		SMDB-5MMR-11G	SMDB-10MMF-11G
12	Dark Blue / Brick Red	2.34	3.00		SMDB-5MMR-12G	SMDB-10MMF-12G
13	Dark Red / Light Blue	2.00	2.70		SMDB-5MMR-13G	SMDB-10MMF-13G
14	Dark Green / Olive	1.60	1.84		SMDB-5MMR-14G	SMDB-10MMF-14G
15	Amber	1.36	1.70		SMDB-5MMR-15G	SMDB-10MMF-15G
16	Dark Grey / Black	1.19	1.64	SMDB-16G	SMDB-5MMR-16G	SMDB-10MMF-16G
17	Light Brown	1.00	1.47		SMDB-5MMR-17G	SMDB-10MMF-17G
18	Green	0.84	1.27		SMDB-5MMR-18G	SMDB-10MMF-18G
19	Coffee / Brown / Black	0.69	1.07		SMDB-5MMR-19G	SMDB-10MMF-19G
20	Pink / Dark Grey	0.58	0.91		SMDB-5MMR-20G	SMDB-10MMF-20G
21	Purple	0.51	0.82		SMDB-5MMR-21G	SMDB-10MMF-21G
22	Blue	0.41	0.72		SMDB-5MMR-22G	SMDB-10MMF-22G
23	Orange / Dark Orange	0.34	0.64	SMDB-23G	SMDB-5MMR-23G	SMDB-10MMF-23G
24	Bright Red	0.30	0.55		SMDB-5MMR-24G	SMDB-10MMF-24G
25	Red / Pink	0.25	0.51		SMDB-5MMR-25G	SMDB-10MMF-25G
26	Beige / Transparent Orange	0.23	0.46		SMDB-5MMR-26G	SMDB-10MMF-26G
27	Transparent / Red	0.20	0.41		SMDB-5MMR-27G	SMDB-10MMF-27G
28	White	0.18	0.35			
30	Light Purple / Black	0.16	0.31			
32	Yellow	0.12	0.31			
34	Light Green	0.08	0.24			
Mix Packs						
Tip Caps						

Gauge	Color	Tapered Tip Dimensions		Straight Stainless Steel (0.25" needle length)	Straight Stainless Steel (1.0" needle length)	Straight Stainless Steel (1.5" needle length)	Straight Stainless Steel (2.0" needle length)
		ID (mm)	OD (mm)				
8	Transparent Purple	3.40	4.10				
10	Pale Green	3.00	3.80	SMDN-0.25-10G	SMDN-1.0-10G	SMDN-1.5-10G	SMDN-2.0-10G
11	Light Orange	2.50	3.20	SMDN-0.25-11G	SMDN-1.0-11G	SMDN-1.5-11G	SMDN-2.0-11G
12	Dark Blue / Brick Red	2.34	3.00	SMDN-0.25-12G	SMDN-1.0-12G	SMDN-1.5-12G	SMDN-2.0-12G
13	Dark Red / Light Blue	2.00	2.70	SMDN-0.25-13G	SMDN-1.0-13G	SMDN-1.5-13G	SMDN-2.0-13G
14	Dark Green / Olive	1.60	1.84	SMDN-0.25-14G	SMDN-1.0-14G	SMDN-1.5-14G	SMDN-2.0-14G
15	Amber	1.36	1.70	SMDN-0.25-15G	SMDN-1.0-15G	SMDN-1.5-15G	SMDN-2.0-15G
16	Dark Grey / Black	1.19	1.64	SMDN-0.25-16G	SMDN-1.0-16G	SMDN-1.5-16G	SMDN-2.0-16G
17	Light Brown	1.00	1.47	SMDN-0.25-17G	SMDN-1.0-17G	SMDN-1.5-17G	SMDN-2.0-17G
18	Green	0.84	1.27	SMDN-0.25-18G	SMDN-1.0-18G	SMDN-1.5-18G	SMDN-2.0-18G
19	Coffee / Brown / Black	0.69	1.07	SMDN-0.25-19G	SMDN-1.0-19G	SMDN-1.5-19G	SMDN-2.0-19G
20	Pink / Dark Grey	0.58	0.91	SMDN-0.25-20G	SMDN-1.0-20G	SMDN-1.5-20G	SMDN-2.0-20G
21	Purple	0.51	0.82	SMDN-0.25-21G	SMDN-1.0-21G	SMDN-1.5-21G	SMDN-2.0-21G
22	Blue	0.41	0.72	SMDN-0.25-22G	SMDN-1.0-22G	SMDN-1.5-22G	SMDN-2.0-22G
23	Orange / Dark Orange	0.34	0.64	SMDN-0.25-23G	SMDN-1.0-23G	SMDN-1.5-23G	SMDN-2.0-23G
24	Bright Red	0.30	0.55	SMDN-0.25-24G	SMDN-1.0-24G	SMDN-1.5-24G	SMDN-2.0-24G
25	Red / Pink	0.25	0.51	SMDN-0.25-25G	SMDN-1.0-25G	SMDN-1.5-25G	SMDN-2.0-25G
26	Beige / Transparent Orange	0.23	0.46	SMDN-0.25-26G	SMDN-1.0-26G	SMDN-1.5-26G	SMDN-2.0-26G
27	Transparent / Red	0.20	0.41	SMDN-0.25-27G	SMDN-1.0-27G	SMDN-1.5-27G	SMDN-2.0-27G
28	White	0.18	0.35	SMDN-0.25-28G	SMDN-1.0-28G	SMDN-1.5-28G	SMDN-2.0-28G
30	Light Purple / Black	0.16	0.31	SMDN-0.25-30G	SMDN-1.0-30G	SMDN-1.5-30G	
32	Yellow	0.12	0.31	SMDN-0.25-32G	SMDN-1.0-32G		
34	Light Green	0.08	0.24	SMDN-0.25-34G	SMDN-1.0-34G		
Mix Packs							
Tip Caps							

Gauge	Color	Tapered Tip Dimensions		Conical Plastic (Tapered Tip) (60mm total length)	45 Degree Bent Stainless Steel (1/2" needle length)	30 Degree Bent Conical Plastic (Tapered Tip) (1.25" total length)
		ID (mm)	OD (mm)			
8	Transparent Purple	3.40	4.10			SMDC-30B-8G
10	Pale Green	3.00	3.80	SMDC-60MM-10G		SMDC-30B-10G
11	Light Orange	2.50	3.20	SMDC-60MM-11G		SMDC-30B-11G
12	Dark Blue / Brick Red	2.34	3.00	SMDC-60MM-12G	SMDN-45B-12G	SMDC-30B-12G
13	Dark Red / Light Blue	2.00	2.70	SMDC-60MM-13G	SMDN-45B-13G	SMDC-30B-13G
14	Dark Green / Olive	1.60	1.84	SMDC-60MM-14G	SMDN-45B-14G	SMDC-30B-14G
15	Amber	1.36	1.70	SMDC-60MM-15G	SMDN-45B-15G	SMDC-30B-15G
16	Dark Grey / Black	1.19	1.64	SMDC-60MM-16G	SMDN-45B-16G	SMDC-30B-16G
17	Light Brown	1.00	1.47		SMDN-45B-17G	
18	Green	0.84	1.27	SMDC-60MM-18G	SMDN-45B-18G	SMDC-30B-18G
19	Coffee / Brown / Black	0.69	1.07		SMDN-45B-19G	
20	Pink / Dark Grey	0.58	0.91	SMDC-60MM-20G	SMDN-45B-20G	SMDC-30B-20G
21	Purple	0.51	0.82		SMDN-45B-21G	SMDC-30B-21G
22	Blue	0.41	0.72		SMDN-45B-22G	SMDC-30B-22G
23	Orange / Dark Orange	0.34	0.64		SMDN-45B-23G	SMDC-30B-23G
24	Bright Red	0.30	0.55		SMDN-45B-24G	
25	Red / Pink	0.25	0.51		SMDN-45B-25G	SMDC-30B-25G
26	Beige / Transparent Orange	0.23	0.46		SMDN-45B-26G	
27	Transparent / Red	0.20	0.41		SMDN-45B-27G	SMDC-30B-27G
28	White	0.18	0.35		SMDN-45B-28G	
30	Light Purple / Black	0.16	0.31		SMDN-45B-30G	SMDC-30B-30G
32	Yellow	0.12	0.31		SMDN-45B-32G	
34	Light Green	0.08	0.24		SMDN-45B-34G	
Mix Packs						
Tip Caps						

Gauge	Color	Tapered Tip Dimensions		Polytetrafluoroethylene (PTFE) Needle (1/2" needle with PTFE Liner)	Polypropylene (PP) (1/2" needle length)	Solid Stainless Steel (1/2" needle length)	ESD Conical Plastic (Tapered Tip) (1.25" total length)
		ID (mm)	OD (mm)				
8	Transparent Purple	3.40	4.10			SSN-8G	
10	Pale Green	3.00	3.80			SSN-10G	
11	Light Orange	2.50	3.20			SSN-11G	
12	Dark Blue / Brick Red	2.34	3.00			SSN-12G	
13	Dark Red / Light Blue	2.00	2.70			SSN-13G	
14	Dark Green / Olive	1.60	1.84	PTFEN-14G	SMDN-PP-14G	SSN-14G	SMDC-ESD-14G
15	Amber	1.36	1.70		SMDN-PP-15G	SSN-15G	
16	Dark Grey / Black	1.19	1.64		SMDN-PP-16G	SSN-16G	SMDC-ESD-16G
17	Light Brown	1.00	1.47		SMDN-PP-17G	SSN-17G	
18	Green	0.84	1.27		SMDN-PP-18G	SSN-18G	SMDC-ESD-18G
19	Coffee / Brown / Black	0.69	1.07		SMDN-PP-19G	SSN-19G	
20	Pink / Dark Grey	0.58	0.91	PTFEN-20G	SMDN-PP-20G	SSN-20G	SMDC-ESD-20G
21	Purple	0.51	0.82		SMDN-PP-21G	SSN-21G	
22	Blue	0.41	0.72		SMDN-PP-22G	SSN-22G	SMDC-ESD-22G
23	Orange / Dark Orange	0.34	0.64		SMDN-PP-23G	SSN-23G	
24	Bright Red	0.30	0.55			SSN-24G	
25	Red / Pink	0.25	0.51	PTFEN-25G	SMDN-PP-25G	SSN-25G	SMDC-ESD-25G
26	Beige / Transparent Orange	0.23	0.46			SSN-26G	
27	Transparent / Red	0.20	0.41	PTFEN-27G		SSN-27G	SMDC-ESD-27G
28	White	0.18	0.35			SSN-28G	
30	Light Purple / Black	0.16	0.31			SSN-30G	
32	Yellow	0.12	0.31			SSN-32G	
34	Light Green	0.08	0.24			SSN-34G	
Mix Packs							
Tip Caps							

Gauge	Color	Tapered Tip Dimensions		Flat Straight Stainless Steel (1/2" needle length)	Flat Straight Stainless Steel (0.25" needle length)	Flat Straight Stainless Steel (1.0" needle length)	Flat Straight Stainless Steel (1.5" needle length)
		ID (mm)	OD (mm)				
8	Transparent Purple	3.40	4.10				
10	Pale Green	3.00	3.80	SMDN-F-10G	SMDN-F-0.25-10G	SMDN-F-1.0-10G	SMDN-F-1.5-10G
11	Light Orange	2.50	3.20	SMDN-F-11G	SMDN-F-0.25-11G	SMDN-F-1.0-11G	SMDN-F-1.5-11G
12	Dark Blue / Brick Red	2.34	3.00	SMDN-F-12G	SMDN-F-0.25-12G	SMDN-F-1.0-12G	SMDN-F-1.5-12G
13	Dark Red / Light Blue	2.00	2.70	SMDN-F-13G	SMDN-F-0.25-13G	SMDN-F-1.0-13G	SMDN-F-1.5-13G
14	Dark Green / Olive	1.60	1.84	SMDN-F-14G	SMDN-F-0.25-14G	SMDN-F-1.0-14G	SMDN-F-1.5-14G
15	Amber	1.36	1.70	SMDN-F-15G	SMDN-F-0.25-15G	SMDN-F-1.0-15G	SMDN-F-1.5-15G
16	Dark Grey / Black	1.19	1.64	SMDN-F-16G	SMDN-F-0.25-16G	SMDN-F-1.0-16G	SMDN-F-1.5-16G
17	Light Brown	1.00	1.47	SMDN-F-17G	SMDN-F-0.25-17G	SMDN-F-1.0-17G	SMDN-F-1.5-17G
18	Green	0.84	1.27	SMDN-F-18G	SMDN-F-0.25-18G	SMDN-F-1.0-18G	SMDN-F-1.5-18G
19	Coffee / Brown / Black	0.69	1.07	SMDN-F-19G	SMDN-F-0.25-19G	SMDN-F-1.0-19G	SMDN-F-1.5-19G
20	Pink / Dark Grey	0.58	0.91	SMDN-F-20G	SMDN-F-0.25-20G	SMDN-F-1.0-20G	SMDN-F-1.5-20G
21	Purple	0.51	0.82	SMDN-F-21G	SMDN-F-0.25-21G	SMDN-F-1.0-21G	SMDN-F-1.5-21G
22	Blue	0.41	0.72	SMDN-F-22G	SMDN-F-0.25-22G	SMDN-F-1.0-22G	SMDN-F-1.5-22G
23	Orange / Dark Orange	0.34	0.64	SMDN-F-23G	SMDN-F-0.25-23G	SMDN-F-1.0-23G	SMDN-F-1.5-23G
24	Bright Red	0.30	0.55	SMDN-F-24G	SMDN-F-0.25-24G	SMDN-F-1.0-24G	SMDN-F-1.5-24G
25	Red / Pink	0.25	0.51	SMDN-F-25G	SMDN-F-0.25-25G	SMDN-F-1.0-25G	SMDN-F-1.5-25G
26	Beige / Transparent Orange	0.23	0.46				
27	Transparent / Red	0.20	0.41				
28	White	0.18	0.35				
30	Light Purple / Black	0.16	0.31				
32	Yellow	0.12	0.31				
34	Light Green	0.08	0.24				
Mix Packs							
Tip Caps							

Product Photos

Stainless Steel Needles (1/2" needle length):



SMDN-12G
(12 gauge)



SMDN-13G
(13 gauge)



SMDN-14G
(14 gauge)



SMDN-16G
(16 gauge)



SMDN-18G
(18 gauge)



SMDN-19G
(19 gauge)



SMDN-20G
(20 gauge)



SMDN-21G
(21 gauge)



SMDN-22G
(22 gauge)



SMDN-23G
(23 gauge)



SMDN-25G
(25 gauge)



SMDN-26G
(26 gauge)



SMDN-27G
(27 gauge)



SMDN-28G
(28 gauge)



SMDN-30G
(30 gauge)



SMDN-32G
(32 gauge)



SMDN-34G
(34 gauge)

Conical Plastic Tapered Tip (TT) (1.25" total length):



SMDC-8G
(8 gauge)



SMDC-10G
(10 gauge)



SMDC-11G
(11 gauge)



SMDC-13G
(13 gauge)



SMDC-14G
(14 gauge)



SMDC-15G
(15 gauge)



SMDC-16G
(16 gauge)



SMDC-18G
(18 gauge)



SMDC-20G
(20 gauge)



SMDC-22G
(22 gauge)



SMDC-23G
(23 gauge)



SMDC-25G
(25 gauge)



SMDC-26G
(26 gauge)



SMDC-27G
(27 gauge)



SMDC-30G
(30 gauge)



SMDC-32G
(32 gauge)

Brush Tip 4mm Flat (1.5" total length):



SMDB-16G
(16 gauge)



SMDB-23G
(23 gauge)

Conical Plastic (Tapered Tip) (60mm total length):



SMDC-60MM-12G
(12 gauge)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Chip Quik:](#)

[SMDN-22G-QTY10](#)