SOLDER & SOLDER BRAID

Fig. 1

Fig. 2

Fig. 4*

Fig. 6

Fig. 7

Solder

Retail Part No.	Bulk Part No.	Fig. No.	Description	Gauge	Diameter	Spool Size	Tin/Lead Percentage	Length (Feet)	Color
6033		1	60/40 Rosin Core Solder	20	.032"	1/2 lb.	60/40		
6039		1	60/40 Rosin Core Solder	16	.047"	1/2 lb.	60/40		
6044		1	60/40 Rosin Core Solder	14	.062"	1/2 lb.	60/40		
6034		1	60/40 Rosin Core Solder	20	.032"	1 lb.	60/40		
6040		1	60/40 Rosin Core Solder	16	.047"	1 lb.	60/40		
6045		1	60/40 Rosin Core Solder	14	.062"	1 lb.	60/40		
6035		1	Low-melt Solder	20	.032"	1/2 lb.	63/37		
6056		1	Silver Bearing Solder	20	.032"	1/2 lb.	60/38/2		
6059		1	Silver Bearing Solder	20	.032"	1 lb.	60/38/2		
9132		2	Fine Line Solder-32 Tubes of Solder	20	.032"		60/40	12	
H3-391		2	Fine Line Solder-Carded	20	.032"		60/40	12	
9134		2	Standard Solder-32 Tubes of Solder	16	.050"		60/40	6.5	
H3-390		2	Standard Solder-Carded	16	.050"		60/40	6.5	
13-9612		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	14	.062"	1/2 lb.	Lead Free		
13-9620		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	20	.032"	1 lb.	Lead Free		
13-9621		4*	SnAg3Cu0.5Ni0.06Ge0.01 Solder	16	.047"	1 lb.	Lead Free		

(*=Requires more than 60W iron)

Solder Braid

Retail Part No.	Bulk Part No.	Figure No.	Description	Gauge	Width Solder/Braid	Spool Size	Tin/Lead Percentage	Length (Feet)	Color
12-5001		6	1 Reel of GC Solder and 1 Reel of GC Braid		.031"/.075"		60/40	20	
12-5025	12-5025-BU	7	GC Braid		.025"			5	Silver
12-5050	12-5050-BU	7	GC Braid		.050"			5	Gold
12-5075	12-5075-BU	7	GC Braid		.075"			5	Green
12-5100	12-5100-BU	7	GC Braid		.100"			5	Blue
12-5125		7	GC Braid		.125"			5	Brown
12-6025	12-6025-BU	7	GC Braid		.025"			25	Silver
12-6050		7	GC Braid		.050"			25	Gold
12-6075		7	GC Braid		.075"			25	Green
12-6100		7	GC Braid		.100"			25	Blue

GC™ ELECTRONICS

PRODUCT SPECIFICATIONS SHEET

CAT NO.	PRODUCT NAME
6035	Low Melt Solder
~~6037~~	

DESCRIPTION:

Solder

TECHINCAL PROPERTIES:

NO	Item	Specification	Standard
1	Appearance	Bright and shiny surface finishes.	
2	Alloy	Sn/Pb37	JIS-Z-3282
3	Melting Point	183℃	DSC
4	Flux Content	2.0 ±1.0 %	JIS-Z-3283
5	Halide Content	Under 0.5%	JIS-Z-3197
6	Gravity	8.4	
7	Spread ability	> 75%	JIS-Z-3197
8	Packaging	0.5、1、5、10kg/Roll	JIS-Z-3283
9	Diameters Tolerances	0.3~0.6± 0.05 mm、 0.8~3.0 ± 0.1 mm.	JIS-Z-3283
10	Features	Excellent solder joint reliability. Superior joint strength. Excellent thermal & Mechanical fatigue resistance. Low cleaning required after solder joint.	
11	Purpose	For use in applications requiring good activation.	
12	Storage, Handling, and Shelf Life:	Storage must be in a dry, non-corrosive and shine environment. Avoids the oxidant, the acid and the hydrogen peroxide. Shelf life is 2 years from date of manufacture.	

PHYSICAL PROPERTIES AND RELIABILITY DATA:

No	Test Item	Test Result	Test Method
1	Copper Mirror Test	PASS	IPC-TM-650, 2.3.32
2	Copper plate Corrosion	PASS	JIS-Z-3197, 6.6.1
3	S.I.R Test	PASS 1×10^{10}up	IPC-TM-650, 2.6.3.3
4	Electrochemical migration Test	PASS 1×10^{10}up	IPC-TM-650, 2.6.14.1

ALLOY COMPOSITIONS:

Sn	Pb	Ag	Sb	Bi	Cd	Cu	Au	In	Al	As	Fe	Ni	Zn
62.5~ 63.5	Rem.	0.10 MAX	0.05 MAX	0.10 MAX	0.002 MAX	0.05 MAX	0.05 MAX	0.10 MAX	0.001 MAX	0.03 MAX	0.02 MAX	0.01 MAX	0.001 MAX

SHELF LIFE: 2 Years