

## Product Change Notification

### Type of Notification: Product Discontinuance

ISSUE DATE	LAST BUY DATE	NOTIFICATION NO.	LAST SHIP DATE
30 April 2005	31 December 2004	20050430-01	31 March 2005

*This is to remind you that the following product(s) have been discontinued.*

**Product ID (Description):** This notice encompasses Compound Semiconductor and Optoelectronic devices.

**Description of Change:** As we previously announced in October 2004, our goal was to transition to Lead Free and RoHs compliant production ONLY by Q2 2005. \*Last ship date of March 31 2005 is valid only for orders placed by the Last Buy Date, December 31 2005 which was also announced in October 2004.

**Effect of Change:** Most of the Light Emitting Diode (LEDs) are being discontinued to focus our sales efforts on chip LEDs. The optoelectronic devices are transitioning to RoHs and Lead-free compliant devices.

**Suggested Alternate Devices and/or Manufacturers:** Because we are no longer supporting non-Chip LED device, many of these don't have a recommended replacement. The Lead-free replacement is listed for conventional devices in most cases.

### Product Change Notification (cont'd)

CATEGORY	OBSOLETE SHARP PART NO.	SUGGESTED ALTERNATE PART NO.	ALTERNATE MANUFACTURER
EMITTER	GA102T1M1MZ	No Replacement	
EMITTER	GA201TXR1ZZ	No Replacement	
LASER	GH06507B2B	GH06507B2A	
LED	GL0ZJ042B0S	10mm AllnGaP LED, Orange. No Replacement	
LED	GL0ZV042B0S	10mm AllnGaP LED, Amber. No Replacement	
EMITTER	GL360	GL380	Sharp
LED	GL3ED8	LED - Dichromatic. No Replacement	
LED	GL3EG44	3mm LED (T1), Green. No Replacement	

LED	GL3HD44	3mm LED (T1), Red. No Replacement	
LED	GL3HD8	3mm LED (T1), Red. No Replacement	
LED	GL3HS8	3mm LED (T1), Orange. No Replacement	
LED	GL3HY43	3mm LED (T1), Yellow. No Replacement	
LED	GL3HY8	3mm LED (T1), Yellow. No Replacement	
LED	GL3KG8	3mm LED (T1), Green. No Replacement	
LED	GL3LR8	3mm LED (T1), Red. No Replacement	
LED	GL3PR8	3mm LED (T1), Red. No Replacement	
LED	GL3TR8	3mm LED (T1), Red. No Replacement	
EMITTER	GL450	GL453E00000F	Sharp
EMITTER	GL450V	GL453E00000F	Sharp
EMITTER	GL451	GL453E00000F	Sharp
EMITTER	GL451L1	GL453E00000F	Sharp
EMITTER	GL451V	GL453E00000F	Sharp
EMITTER	GL496	Side view high speed IRED, $\pm 22^\circ$ , 880 nm, Bulk...No Replacement	
EMITTER	GL496L	Side view high speed IRED, $\pm 22^\circ$ , 880 nm, Bulk...No Replacement	
LED	GL5CL44	LED - Dichromatic. No Replacement	
LED	GL5FG43	5mm LED (T1-3/4). No Replacement	
LED	GL5HD8	5mm LED (T1-3/4), Red. No Replacement	
LED	GL5HP5	LED - Dichromatic. No Replacement	
LED	GL5KG8	5mm LED (T1-3/4), Green. No Replacement	
LED	GL5TR40	LED, Red. No Replacement	
LED	GL5TR43	5mm LED (T1-3/4). No Replacement	
LED	GL5TR44	LED, Red. No Replacement	
LED	GL5TR8	5mm LED (T1-3/4), Red. No Replacement	
LED	GL5UR2K	5mm Red LED, 2000mcd. No Replacement	
LED	GL5UR2K1	5mm Red LED, 2000mcd. No Replacement	
LED	GL5UR2K6	LED, Hi Bright, RED. No Replacement	
LED	GL5UR3K	5mm Red LED, 3000mcd. No Replacement	
LED	GL5UR3K1	5mm Red LED, 3000mcd. No Replacement	
LED	GL5UR44	5mm Red LED. No Replacement	
LED	GL5UR64	LED, Hi Bright, RED. No Replacement	
LED	GL5UR8	5mm Red LED. No Replacement	
LED	GL5ZE302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZE43	5mm AllnGaP LED (T1-3/4). No Replacement	

		Replacement	
LED	GL5ZE44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZG302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZG43	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZG44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZJ302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZJ302B0SM	M-Rank (If available). No Replacement	
LED	GL5ZJ302B0SN	N-Rank (If available). No Replacement	
LED	GL5ZJ43	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZJ44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZJ44P	P-Rank (If available). No Replacement	
LED	GL5ZJ44Q	Q-Rank (If available). No Replacement	
LED	GL5ZR302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZR302B0SK	K-Rank (If available). No Replacement	
LED	GL5ZR302B0SL	L-Rank (If available). No Replacement	
LED	GL5ZR43	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZR44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZR44N	N-Rank (If available). No Replacement	
LED	GL5ZR44O	O-Rank (If available). No Replacement	
LED	GL5ZS302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZS43	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZS44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZV302B0S	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZV302B0SM	M-Rank (If available). No Replacement	
LED	GL5ZV302B0SN	N-Rank (If available). No Replacement	
LED	GL5ZV43	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZV44	5mm AllnGaP LED (T1-3/4). No Replacement	
LED	GL5ZV44O	O-Rank (If available). No Replacement	
LED	GL5ZV44P	P-Rank (If available). No Replacement	
LED	GL6CL11	LED - Dichromatic. No Replacement	
LED	GL6CU11	LED - Dichromatic. No Replacement	

		Replacement	
LED	GL6CU7	LED - Dichromatic. No Replacement	
LED	GL6ZE27	Lamp Oval AllnGaP LED, Green. No Replacement	
LED	GL6ZG27	Lamp Oval AllnGaP LED, Green. No Replacement	
LED	GL6ZJ27	Lamp Oval AllnGaP LED, Orange. No Replacement	
LED	GL6ZJ27K	K-Rank (If available). No Replacement	
LED	GL6ZJ27L	L-Rank (If available). No Replacement	
LED	GL6ZR27	Lamp Oval AllnGaP LED, Red. No Replacement	
LED	GL6ZR27J	J-Rank (If available). No Replacement	
LED	GL6ZR27K	K-Rank (If available). No Replacement	
LED	GL6ZS27	Lamp Oval AllnGaP LED, Orange. No Replacement	
LED	GL6ZS27L	L-Rank (If available). No Replacement	
LED	GL6ZS27M	M-Rank (If available). No Replacement	
LED	GL6ZV27	Lamp Oval AllnGaP LED, Amber. No Replacement	
LED	GL6ZV27K	K-Rank (If available). No Replacement	
LED	GL6ZV27L	L-Rank (If available). No Replacement	
LED	GL8D06	1-digit, 7-segment LED. No Replacement	
LED	GL8ED48	Dichromatic LED. No Replacement	
LED	GL8ED5	Dichromatic LED. No Replacement	
LED	GL8EG21	LED - Rectangle, Green. No Replacement	
LED	GL8EG22	LED - Rectangle, Green. No Replacement	
LED	GL8EG4	LED - Arch, Green. No Replacement	
LED	GL8HD22	LED - Square, Red. No Replacement	
LED	GL8HP5	Dichromatic led . No Replacement	
LED	GL8HY22	LED - Square, Yellow. No Replacement	
LED	GL8PR22	Lamp LED - Square, Red. No Replacement	
LED	GL9D040	1-digit, 7-segment LED. No Replacement	
LED	GL9E03M	1-digit, 7-segment LED. No Replacement	
LED	GL9ED2	Dichromatic LED. No Replacement	
LED	GL9ED4	Dichromatic LED. No Replacement	
LED	GL9ET100	Dichromatic LED . No Replacement	

LED	GL9HP2	Dichromatic LED. No Replacement	
LED	GL9T030	1-digit, 7-segment LED. No Replacement	
LED	GM1BC35200AC	GM1BC35310AC	Sharp
POF	GP0P002	Protection Cap (GP1F32/38T/R). No replacement needed. Please use shuttered device.	
PI	GP1A037RCK	GP1A038RCK0F or other	Sharp
PI	GP1A038RBK	GP1A038RCK0F or other	Sharp
PI	GP1A05A2	GP1A05AJ000F	Sharp
PI	GP1A05A5	GP1A05AJ000F	Sharp
PI	GP1A05E	GP1A05AJ000F	Sharp
PI	GP1A05E2	GP1A05AJ000F	Sharp
PI	GP1A10	GP1A05AJ000F	Sharp
PI	GP1A15	GP1A51HRJ00F	Sharp
PI	GP1A20	GP1A51HRJ00F	Sharp
PI	GP1A21	GP1A73AXJ00F	Sharp
PI	GP1A21X	GP1A73AXJ00F	Sharp
PI	GP1A22HR	GP1A05AJ000F	Sharp
PI	GP1A22LC	GP1A05AJ000F	Sharp
PI	GP1A25LC	GP1A05AJ000F	Sharp
PI	GP1A27LC	GP1A05AJ000F	Sharp
PI	GP1A30R	Low Resolution Encoder. No replacement. GP1A038 SERIES??	Sharp
PI	GP1A34A1	GP1A74BJ000F	Sharp
PI	GP1A34LC	GP1A74BJ000F	Sharp
PI	GP1A35RV	GP1A038RCK0F or other	Sharp
PI	GP1A38L5	5-channel Photointerrupter w/connector. No replacement	
PI	GP1A38L7	7-channel Photointerrupter w/connector. No Replacement.	
PI	GP1A44E1	GP1A44E1J00F	Sharp
PI	GP1A44E6	GP1A44E1J00F	Sharp
PI	GP1A45E1	GP1A44E1J00F	Sharp
PI	GP1A50HR	GP1A50HRJ00F	Sharp
PI	GP1A51HR	GP1A51HRJ00F	Sharp
PI	GP1A521	GP1A52HRJ00F	Sharp
PI	GP1A52HR	GP1A52HRJ00F	Sharp
PI	GP1A52LR	GP1A52LRJ00F	Sharp
PI	GP1A53HR	GP1A53HRJ00F	Sharp
PI	GP1A57HR	GP1A57HRJ00F	Sharp
PI	GP1A58HR	GP1A58HRJ00F	Sharp
PI	GP1A68L	GP1A91LRJ00F	Sharp
PI	GP1A71A1	No Replacement.	
PI	GP1A71R	Low Resolution Encoder. No replacement. GP1A038 SERIES??	Sharp
PI	GP1A73A1	GP1A73AXJ00F	Sharp
PI	GP1A74A1	GP1A74BJ000F	Sharp
PI	GP1AQ36L	High Temp Photointerrupter w/Connector. No Replacement	
PI	GP1AQ72A	High Temp OPIC Photointerrupter. No Replacement.	
POF	GP1C331	POF Cable 1.0 m No Replacement.	
POF	GP1C333	POF Cable 3.0 m No Replacement.	
POF	GP1C334	POF Cable 4.0 m No Replacement.	

POF	GP1C335	POF Cable 5.0 m No Replacement.	
POF	GP1F361T	GP1FD310TP0F	Sharp
POF	GP1F562T	GP1FD310TP0F	Sharp
POF	GP1FA352RZ	GP1FA313RZ0F	Sharp
POF	GP1FA352TZ	GP1FA313TZ0F	Sharp
POF	GP1FA511RZ	GP1FA513RZ0F	Sharp
POF	GP1FA511TZ	GP1FA514TZ0F	Sharp
POF	GP1FA512RZ	GP1FA513RZ0F	Sharp
POF	GP1FA512TZ	GP1FA514TZ0F	Sharp
POF	GP1FA551TZ	GP1FA514TZ0F	Sharp
POF	GP1FD310TP	GP1FD310TP0F	Sharp
POF	GP1FJ300RP	POF OMJ 2.5 mm diameter. No replacement	
POF	GP1FM520RZ	GP1FM513RZ0F	Sharp
POF	GP1FM520TZ	GP1FM513TZ0F	Sharp
POF	GP1FM521RZ	GP1FM513RZ0F	Sharp
POF	GP1FM521TZ	GP1FM513TZ0F	Sharp
POF	GP1FP513RK	GP1FP513RK0F	Sharp
POF	GP1FP513TK	GP1FP513TK0F	Sharp
POF	GP1FP513TKA	GP1FP513TK0F	Sharp
PI	GP1L50	GP1L52VJ000F	Sharp
PI	GP1L51	GP1L52VJ000F	Sharp
PI	GP1L52	GP1L52VJ000F	Sharp
PI	GP1S05V	GP1S58VJ000F	Sharp
PI	GP1S06	GP1S51VJ000F	Sharp
PI	GP1S09	GP1S73PJ000F	Sharp
PI	GP1S22	GP1S097HCZ0F	Sharp
PI	GP1S24	GP1S094HCZ0F	Sharp
PI	GP1S27	GP1S096HCZ0F	Sharp
PI	GP1S28	GP1S093HCZ0F	Sharp
PI	GP1S30	GP1S39J0000F	Sharp
PI	GP1S33	GP1S092HCPIF	Sharp
PI	GP1S37	GP1S093HCZ0F/GP1S097HCZ0F	Sharp
PI	GP1S44S6	GP1S44S1J00F	Sharp
PI	GP1S45S	GP1S44S1J00F	Sharp
PI	GP1S46	NO Recommended Alternative	
PI	GP1S50	GP1S51VJ000F	Sharp
PI	GP1S52	GP1S52VJ000F	Sharp
PI	GP1S525V	GP1S525VJ00F	Sharp
PI	GP1S52V	GP1S52VJ000F	Sharp
PI	GP1S53	GP1S53VJ000F	Sharp
PI	GP1S562	No replacement. Case type, snap-in	
PI	GP1S563	No replacement. Long case type, snap-in	
PI	GP1S56T	GP1S56TJ000F	Sharp
PI	GP1S58	GP1S58VJ000F	Sharp
PI	GP1S72P	GP1S74PJ000F	Sharp
PI	GP1S93	GP1S093HCZ0F	Sharp
PI	GP1S94	GP1S094HCZ0F	Sharp
PI	GP1S96	GP1S096HCZ0F	Sharp
PI	GP1S97	GP1S097HCZ0F	Sharp
PI	GP1SQ51	Photointerrupter with precoat for hi temp. No Replacement	
PI	GP1SQ51V	Photointerrupter with precoat for hi temp. No Replacement	
PI	GP1SQ52	Photointerrupter with precoat for hi temp. No Replacement	

PI	GP1SQ59C	Photointerrupter with precoat for hi temp. No Replacement	
RMTC	GP1U101X	GP1US30XP	Sharp
PI	GP2A16	GP2A25J0000F	Sharp
PI	GP2A26	GP2A25J0000F	Sharp
PI	GP2D03	Paper size sensor. No Replacement.	
PI	GP2D04	Paper size sensor. No Replacement.	
PI	GP2D05	GP2D15J0000F or GP2Y0D21YK0F range 10-80cm	Sharp
PI	GP2DM03	Microcomputer for GP2D03/04/06/07. No Replacement.	
PI	GP2L01	GP2S28J0000F	Sharp
PI	GP2L09	GP2L24**J00F Series	Sharp
PI	GP2L09A	GP2L24**J00F Series	Sharp
PI	GP2L20L	Case Type Photointerrupter Prism System. No replacement	
PI	GP2L20R	Case Type Photointerrupter Prism System. No replacement	
PI	GP2L22	GP2L24**J00F Series, Ic = 0.5-15.0 mA FD = 0.6mm	Sharp
PI	GP2L22A	GP2L24**J00F Series, Ic = 4.0-15.0 mA FD = 0.6mm	Sharp
PI	GP2L22AB	GP2L24**J00F Series, Ic = 1.45-15.0 mA FD = 0.6mm	Sharp
PI	GP2L22B	GP2L24**J00F Series, Ic = 1.45-5.4 mA FD = 0.6mm	Sharp
PI	GP2L22BC	GP2L24**J00F Series, Ic = 0.5-5.0 mA FD = 0.6mm	Sharp
PI	GP2L23L	Case Type Photointerrupter Prism System. No replacement	
PI	GP2L26	GP2L24**J00F Series Ic = 1.45 - 5.4 uA FD =0.6mm	Sharp
PI	GP2L26B	GP2L24**J00F Series Ic = 1.45 - 5.4 uA FD =0.6mm	Sharp
PI	GP2L26C	GP2L24**J00F Series Ic = 1.45 - 5.4 uA FD =0.6mm	Sharp
PI	GP2S09	GP2L24**J00F Series	Sharp
PI	GP2S09B	GP2L24**J00F Series	Sharp
PI	GP2S22	GP2L24**J00F Series Ic = 20-125 uA	Sharp
PI	GP2S22A	GP2L24**J00F Series Ic = 58-125 uA	Sharp
PI	GP2S22AB	GP2L24**J00F Series Ic = 34-125 uA	Sharp
PI	GP2S22B	GP2L24**J00F Series Ic = 34-71 uA	Sharp
PI	GP2S22BC	GP2L24**J00F Series Ic = 20-71 uA	Sharp
PI	GP2S22C	GP2L24**J00F Series Ic = 20-42 uA	Sharp
PI	GP2S26	GP2S24J0000F Series	Sharp
PI	GP2S26AB	GP2S24J0000F Series	Sharp
PI	GP2S26B	GP2S24J0000F Series	Sharp
PI	GP2S26BC	GP2S24J0000F Series	Sharp
PI	GP2S26C	GP2S24J0000F Series	Sharp
PI	GP2S27	GP2S27T*J00F Series Ic = 20-120 mA	Sharp

PI	GP2S27B	GP2S27T*J00F Series Ic = 34-71 mA	Sharp
PI	GP2S27BC	GP2S27T*J00F Series Ic = 34-120 mA	Sharp
PI	GP2S27C	GP2S27T*J00F Series Ic = 58-120 mA	Sharp
PI	GP2S28A	GP2S28J0000F	Sharp
PI	GP2S29	Case Type Photointerrupter Prism System, No alternative	
PI	GP2S30	Photointerrupter w/3-pin connector F. Length=5mm. No Replacement	
PI	GP2S40J	GP2S40JJ000F	
PI	GP2TC1	Toner Density Sensor. No Replacement.	
PI	GP2TC2	Toner Density Sensor. No Replacement.	
PI	GP2TD03	Tilt Sensor Detects Angles + 0.5 Deg. No Replacement.	
IRDA	GP2W2003YK	IrDA Control Transceiver. No Replacement	
IRDA	GP2W2004YK	IrDA Control Transceiver. No Replacement	
DETECTOR	IS481	IS485E	Sharp
DETECTOR	IS482	IS485E	Sharp
DETECTOR	IS487	IS485E	Sharp
LED	LT1D51A	Surface Mount LED, Red. No Replacement	
LED	LT1D53A	Surface Mount LED, Red. No Replacement	
LED	LT1D82A	Surface Mount LED, Red. No Replacement	
LED	LT1D90A	Leadless Chip LED, Red. No Replacement	
LED	LT1D97A	GM1HD55200B. No Replacement	
LED	LT1E45A	GM4EG81200A. No Replacement	
LED	LT1E51A	Surface Mount LED, Yellow-Green. No Replacement	
LED	LT1E53A	Surface Mount LED, Yellow-Green. No Replacement	
LED	LT1E82A	Surface Mount LED, Yellow-Green. No Replacement	
LED	LT1E90A	Leadless Chip LED, Green. No Replacement	
LED	LT1ED53A	Dichromatic Surface Mount LED. No Replacement	
LED	LT1ED90A	Dichromatic Leadless Chip LED (3030). No Replacement	
LED	LT1EH53A	Dichromatic Surface Mount LED. No Replacement	
LED	LT1H51A	Surface Mount LED, Yellow. No Replacement	
LED	LT1H53A	Surface Mount LED, Yellow. No Replacement	
LED	LT1H82A	Surface Mount LED, Yellow. No Replacement	
LED	LT1H90A	Leadless Chip LED, Yellow. No Replacement	
LED	LT1H97A	GM1HY55200A. No Replacement	
LED	LT1HP53A	Dichromatic Surface Mount LED. No Replacement	



LED	LT1K51A	Surface Mount LED, Green. No Replacement	
LED	LT1K53A	Surface Mount LED, Green. No Replacement	
LED	LT1K67A	Leadless Chip LED, Green. No Replacement	
LED	LT1K82A	Surface Mount LED, Green. No Replacement	
LED	LT1KS82A	Dichromatic Surface Mount LED. No Replacement	
LED	LT1L51A	Surface Mount LED, Red. No Replacement	
LED	LT1L52A	Surface Mount LED, Red. No Replacement	
LED	LT1L82A	Surface Mount LED, Red. No Replacement	
LED	LT1P51A	Surface Mount LED, Red. No Replacement	
LED	LT1P53A	Surface Mount LED, Red. No Replacement	
LED	LT1P82A	Surface Mount LED, Red. No Replacement	
LED	LT1S51A	Surface Mount LED, Orange. No Replacement	
LED	LT1S53A	Surface Mount LED, Orange. No Replacement	
LED	LT1S82A	Surface Mount LED, Orange. No Replacement	
LED	LT1S83A	Surface Mount LED, Orange. No Replacement	
LED	LT1S90A	Leadless Chip LED, Orange. No Replacement	
LED	LT1T51A	Surface Mount LED, Red. No Replacement	
LED	LT1T52A	Surface Mount LED, Red. No Replacement	
LED	LT1T82A	Surface Mount LED, Red. No Replacement	
LED	LT1U82A	Surface Mount LED, Red. No Replacement	
LED	LT4070EA	Back Light. No Replacement	
LED	LT4071EA	Back Light. No Replacement	
LED	LT4082E	Back Light. No Replacement	
LED	LT4083E	Back Light. No Replacement	
LED	LT5005T	Dot Matrix. No Replacement	
PC	PC352M	PC367MJ0000F	Sharp
PC	PC352M1	PC367MJ0000F	Sharp
PC	PC352M11	PC367MJ0000F Series	Sharp
PC	PC352M1T	PC367M1J000F	Sharp
PC	PC352M2	PC367M2J000F	Sharp
PC	PC352M2T	PC367M2J000F	Sharp
PC	PC352M3	PC367M3J000F	Sharp
PC	PC352M3T	PC367M3J000F	Sharp
PC	PC352MT	PC367MJ0000F	Sharp
PC	PC352N	PC367NJ0000F	Sharp
PC	PC352N1	PC367N1J000F	Sharp
PC	PC352N1T	PC367N1J000F	Sharp
PC	PC352N2	PC367N2J000F	Sharp
PC	PC352N2T	PC367N2J000F	Sharp
PC	PC352N3	PC367NJ0000F	Sharp

PC	PC352N3T	PC367NJ0000F	Sharp
PC	PC352NT	PC367NJ0000F	Sharp
PC	PC354AT	PC354N1TJ00F	Sharp
PC	PC356M11	PC357M15J00F	Sharp
PC	PC358	PC357T13J00F	Sharp
PC	PC358B	PC357T13J00F	Sharp
PC	PC358BT	PC357T13J00F	Sharp
PC	PC359M	PC364MJ0000F	Sharp
PC	PC359M1	PC364M1J000F	Sharp
PC	PC359M11	PC364M1J000F	Sharp
PC	PC359M1T	PC364M1J000F	Sharp
PC	PC359MT	PC364MJ0000F	Sharp
PC	PC359N	PC364NJ0000F	Sharp
PC	PC359N1	PC364N1J000F	Sharp
PC	PC359N1T	PC364N1J000F	Sharp
PC	PC359NT	PC364NJ0000F	Sharp
PC	PC365M	PC365NJ0000F	Sharp
PC	PC365MT	PC365NTJ000F	Sharp
PC	PC365NT	Low If, High CMR PC355NTJ000F 750pcsT&R...No Replacement	Sharp
PC	PC367M1	PC367N1J000F	Sharp
PC	PC367M1T	PC367N1TJ00F	Sharp
PC	PC367M2	PC367N2J000F	Sharp
PC	PC367M2T	PC367N2TJ00F	Sharp
PC	PC3H2	PC3H710NiP0F	Sharp
PC	PC3H2A	PC3H711NiP0F	Sharp
PC	PC3H2AB	PC3H715NiP0F	Sharp
PC	PC3H2AC	PC3H71xNiP0F series	Sharp
PC	PC3H2AD	PC3H71xNiP0F series	Sharp
PC	PC3H2B	PC3H71xNiP0F series	Sharp
PC	PC3H2BC	PC3H71xNiP0F series	Sharp
PC	PC3H2BD	PC3H71xNiP0F series	Sharp
PC	PC3H2C	PC3H71xNiP0F series	Sharp
PC	PC3H2CD	PC3H71xNiP0F series	Sharp
PC	PC3H2D	PC3H71xNiP0F series	Sharp
PC	PC3H3	PC3H410NiP0F	Sharp
PC	PC3H3A	PC3H411NiP0F	Sharp
PC	PC3H3B	PC3H41xNiP0F series	Sharp
PC	PC3H3BC	PC3H41xNiP0F series	Sharp
PC	PC3H3C	PC3H41xNiP0F series	Sharp
PC	PC3H3E	PC3H41xNiP0F series	Sharp
PC	PC3Q62	PC3Q710NiP0F	Sharp
PC	PC3Q62K	PC3Q711NiPKF	Sharp
PC	PC3Q63	PC3Q410NiP0F	Sharp
PC	PC3Q63K	PC3Q410NiP0F	Sharp
PC	PC3Q66Q	PC3Q67QJ000F	Sharp
PC	PC3SD21NXPCJ	PC3SD21NXPCFF	Sharp
PC	PC3SD21NXZCJ	PC3SD21NXZCF	Sharp
PC	PC3SD21YXPCJ	PC3SD21YXPCF	Sharp
PC	PC3SS21NIPJ	S2S4LY0F	Sharp
PC	PC3SS21NIZJ	S2S4LY0F	Sharp
PC	PC3ST11NiZB	PC3ST11NiPBF - Contact Factory	Sharp
PC	PC400Z	PC400J00000F	Sharp
PC	PC401Z	PC401J00000F	Sharp
PC	PC451Z	PC451J00000F	Sharp
PC	PC452Z	PC452J00000F	Sharp
PC	PC4D100NiP	PC4D10SNiP0F	Sharp
PC	PC4D100YIP	PC4D10SYiP0F	Sharp
PC	PC4D570NiP	No Replacement	

PC	PC4D570YIP	No Replacement	
PC	PC4N250NSZX	PC817XJ0000F series	Sharp
PC	PC4N250YSZX	PC123J00000F series	Sharp
PC	PC4N260NSZX	PC817XJ0000F series	Sharp
PC	PC4N260YSZX	PC123J00000F series	Sharp
PC	PC4N270NSZX	PC817XJ0000F series	Sharp
PC	PC4N270YSZX	PC123J00000F series	Sharp
PC	PC4N280NSZX	PC817XJ0000F series	Sharp
PC	PC4N280YSZX	PC123J00000F series	Sharp
PC	PC4N290NSZX	PC815XJ0000F series	Sharp
PC	PC4N290YSZX	PC815XJ0000F	Sharp
PC	PC4N300NSZX	PC815XJ0000F series	Sharp
PC	PC4N300YSZX	PC815XYJ000F series	Sharp
PC	PC4N320NSZX	PC815XJ0000F series	Sharp
PC	PC4N320YSZX	PC815XYJ000F series	Sharp
PC	PC4N330NSZX	PC815XJ0000F series	Sharp
PC	PC4N330YSZX	PC815XYJ000F series	Sharp
PC	PC4N350NSZX	PC817X7J000F	Sharp
PC	PC4N350YSZX	PC123J00000F series	Sharp
PC	PC4N360NSZX	PC817X7J000F	Sharp
PC	PC4N360YSZX	PC123J00000F series	Sharp
PC	PC4N370NSZX	PC817X7J000F	Sharp
PC	PC4N370YSZX	PC123J00000F series	Sharp
PC	PC4SE11NSZ	PC4SF11YVZAF	Sharp
PC	PC512BC	PC512J00000F	Sharp
PC	PC702V0NSZX	PC713V0NSZXF	Sharp
PC	PC702V0YSZX	PC713V0YSZXF	Sharp
PC	PC702V3NSZX	PC713V3NSZXF	Sharp
PC	PC703V0NIZX	PC713V0NIZXF	Sharp
PC	PC703V0NSZX	PC713V0NSZXF	Sharp
PC	PC703V0YSZX	PC713V0YSZXF	Sharp
PC	PC713V0NSZX	PC817XJ0000F series	Sharp
PC	PC716V0NSZX	PC715V0NSZXF	Sharp
PC	PC716V0YSZX	PC715V0NSZXF	Sharp
PC	PC723V0NSZX	PC851XJ0000F series	Sharp
PC	PC723V0YSZX	PC851XJ0000F series	Sharp
PC	PC725VY	PC725V0YSZXF	Sharp
PC	PC733HI	PC814XPJ000F	Sharp
PC	PC733HP	PC814XPJ000F	Sharp
PC	PC812	PC81710NSZ0F	Sharp
PC	PC812A	PC81710NSZ0F	Sharp
PC	PC812PJ1	PC81710NIP0F	Sharp
PC	PC814Y	PC814XJ0000F	Sharp
PC	PC815i	PC815XIJ000F	Sharp
PC	PC815iY	PC815XYJ000F Series	Sharp
PC	PC815P	PC815XPJ000F	Sharp
PC	PC815PY	PC815XPYJ00F	Sharp
PC	PC815Y	PC815XYJ000F	Sharp
PC	PC81715NIP	PC81712NiP0F	Sharp
PC	PC81715NSZ	PC81712NSZ0F	Sharp
PC	PC817PJ4	PC817XP4J00F	Sharp
PC	PC823	PC81410NSZ0F	Sharp
PC	PC824	PC814XJ0000F x 2 pcs	Sharp
PC	PC824AJ	PC814X1J000F Series x 2 pcs	Sharp
PC	PC825	PC815XJ0000F x2 pcs	Sharp
PC	PC825Y	PC815XYJ000F x2 pcs	Sharp
PC	PC827AB	PC817X5J000F x2 pcs	Sharp
PC	PC827AD	PC817X0J000F x2 pcs	Sharp

PC	PC827BD	PC817X9J000F x2 pcs	Sharp
PC	PC827CD	PC817X7J000F x2 pcs	Sharp
PC	PC827Y	2 x PC123J0000F	Sharp
PC	PC827Y0	2 x PC123J0000F	Sharp
PC	PC827Y5	2 x PC123J0000F	Sharp
PC	PC827Y6	2 x PC123J0000F	Sharp
PC	PC827Y7	2 x PC123J0000F	Sharp
PC	PC827Y8	2 x PC123J0000F	Sharp
PC	PC827Y9	2 x PC123J0000F	Sharp
PC	PC829	PC817XJ0000F x2 pcs	Sharp
PC	PC829Y	2 x PC123J0000F	Sharp
PC	PC837	PC817XJ0000F x3 pcs	Sharp
PC	PC837CD	2 x PC123YJ0000F	Sharp
PC	PC837Y	2 x PC123YJ0000F	Sharp
PC	PC837Y0	2 x PC123YJ0000F	Sharp
PC	PC837Y5	2 x PC123YJ0000F	Sharp
PC	PC837Y6	2 x PC123YJ0000F	Sharp
PC	PC837Y7	2 x PC123YJ0000F	Sharp
PC	PC837Y8	3 x PC123YJ0000F	Sharp
PC	PC837Y9	3 x PC123YJ0000F	Sharp
PC	PC844iJ1T	PC844IJ1J00F	Sharp
PC	PC845	PC845XJ0000F	Sharp
PC	PC845I	PC845XIJ000F	Sharp
PC	PC845Y	No Replacement	
PC	PC847XiT	No Replacement	
PC	PC849	4 x PC817XJ0000F	Sharp
PC	PC849Y	4 x PC123YJ0000F	Sharp
PC	PC866	PC817XJ0000F Series	Sharp
PC	PC866Q	PC817XJ0000F Series	Sharp
PC	PC875	PC815XJ0000F	Sharp
PC	PC895	PC845XJ0000F	Sharp
PC	PC8D52	PC852XJ0000F x2 pcs	Sharp
PC	PC8D66	PC817XJ0000F Series x2 pcs	Sharp
PC	PC8D66Q	No Replacement	
PC	PC8Q51	PC851XJ0000F x4 pcs	Sharp
PC	PC8Q52	PC852XJ0000F x4 pcs	Sharp
PC	PC8Q66	PC817XJ0000F Series x4 pcs	Sharp
PC	PC8Q66Q	No Replacement	
PC	PC906	PC123J00000F Series + Shunt Regualtor	Sharp
PC	PC923X	PC923L0NSZ0F	Sharp
DETECTOR	PD410Pi	PD410PI2E00F	Sharp
DETECTOR	PD411Pi	PD411PI2E00F	Sharp
DETECTOR	PD412Pi	PD412PI2E00F	Sharp
DETECTOR	PD413Pi	PD413PI2E00F	Sharp
REGULATOR	PQ033ES1MWP	PQ033ES1MXPQ	Sharp
REGULATOR	PQ050ES1MWP	PQ050ES1MXPQ	Sharp
REGULATOR	PQ05RA1	PQ050RDA1SZH	Sharp
REGULATOR	PQ05RF1	PQ050RDA1SZH	Sharp
REGULATOR	PQ05RF11	PQ050RDA1SZH	Sharp
REGULATOR	PQ05RF1V	PQ15RW11J00H	Sharp
REGULATOR	PQ05RF2	PQ050RDA2SZH	Sharp
REGULATOR	PQ05RF21	PQ050RDA2SZH	Sharp
REGULATOR	PQ05RF2A	PQ050RDA2MZH	Sharp
REGULATOR	PQ05RF2B	PQ050RDA2MZH	Sharp
REGULATOR	PQ05RF2V	PQ15RW21J00H	Sharp
REGULATOR	PQ05RH1	PQ050RDA2SZH	Sharp
REGULATOR	PQ05RH11	PQ050RDA2SZH	Sharp
REGULATOR	PQ05SZ1T	PQ050DNA1ZPH	Sharp

REGULATOR	PQ07RX11	PQ070VK01FZH	Sharp
REGULATOR	PQ07VR5MBZP	PQ07VR5MAZPH	Sharp
REGULATOR	PQ07VR5MBZZ	PQ07VR5MAZZH	Sharp
REGULATOR	PQ07VR5MCZP	PQ07VR5MAZPH	Sharp
REGULATOR	PQ07VR5MCZZ	PQ07VR5MAZZH	Sharp
REGULATOR	PQ07VR5MDZP	PQ07VR5MAZPH	Sharp
REGULATOR	PQ07VR5MDZZ	PQ07VR5MAZZH	Sharp
REGULATOR	PQ090DZ01ZP	PQ090DNA1ZPH	Sharp
REGULATOR	PQ090DZ01ZZ	PQ090DNA1ZPH	Sharp
REGULATOR	PQ090RD01SZ	PQ090RDA1SZH	Sharp
REGULATOR	PQ09DZ11	PQ090DNA1ZZH	Sharp
REGULATOR	PQ09DZ1U	PQ090DNA1ZPH	Sharp
REGULATOR	PQ09DZ51	PQ090DNA1ZZH	Sharp
REGULATOR	PQ09DZ5U	PQ090DNA1ZPH	Sharp
REGULATOR	PQ09RA1	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RA11	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RD08	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RD11	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RD1B	PQ090RDA1MZH	Sharp
REGULATOR	PQ09RD21	PQ090RDA2SZH	Sharp
REGULATOR	PQ09RF1	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RF11	PQ090RDA1SZH	Sharp
REGULATOR	PQ09RF12	PQ15RW11J00H	Sharp
REGULATOR	PQ09RF13	PQ15RW11J00H	Sharp
REGULATOR	PQ09RF1V	PQ15RW11J00H	Sharp
REGULATOR	PQ09RF2	PQ090RDA2SZH	Sharp
REGULATOR	PQ09RF21	PQ090RDA2SZH	Sharp
REGULATOR	PQ09RF2A	PQ090RDA2SZH	Sharp
REGULATOR	PQ09RF2B	PQ090RDA2SZH	Sharp
REGULATOR	PQ09RF2V	PQ15RW21J00H	Sharp
REGULATOR	PQ09RH1	PQ090RDA2SZH	Sharp
REGULATOR	PQ120RD01SZ	PQ120RDA1SZH	Sharp
REGULATOR	PQ15RF2V	PQ15RW21J00H	Sharp
REGULATOR	PQ1CG41H3FZ	TO-220 (Heat Sink), SW Reg, Vin~40V, 1.5A, sleeve, 300kHz...No Replacement	Sharp
REGULATOR	PQ1CG41H3RZ	TO-220 (Free Stand), SW Reg, Vin~40V, 1.5A, sleeve, 300kHz...No Replacement	Sharp
REGULATOR	PQ1K213M2ZP	PQ1KA213MZPH	Sharp
REGULATOR	PQ1K353M2ZP	PQ1KA353MZPH	Sharp
REGULATOR	PQ1K393M2ZP	PQ1KA393MZPH	Sharp
REGULATOR	PQ1K423M2ZP	PQ1KA423MZPH	Sharp
REGULATOR	PQ1R38	PQ1KA383MZPH - Contact Factory	Sharp
REGULATOR	PQ20VZ11	PQ200WNA1ZPH	Sharp
REGULATOR	PQ20VZ1U	PQ200WNA1ZPH	Sharp
REGULATOR	PQ20VZ51	PQ200WNA1ZPH	Sharp
REGULATOR	PQ20VZ5U	PQ200WNA1ZPH	Sharp
REGULATOR	PQ2TZ15	PQ025ENA1ZPH	Sharp
REGULATOR	PQ2TZ15U	PQ025ENA1ZZH	Sharp
REGULATOR	PQ2TZ55	PQ025EN5MZPH	Sharp
REGULATOR	PQ2TZ55U	PQ025EN5MZZH	Sharp
REGULATOR	PQ3RF23	PQ3RD23J000H	Sharp
REGULATOR	PQ3RF43	TO-220, LDO, 3.3V, 4A, sleeve...No Replacement	Sharp
REGULATOR	PQ3TR5M3AZZ	No Replacement	Sharp
REGULATOR	PQ3TR5M3BZP	No Replacement	Sharp
REGULATOR	PQ3TR5M3CZP	No Replacement	Sharp
REGULATOR	PQ3TR5M3CZZ	No Replacement	Sharp

REGULATOR	PQ3TR5M3DZP	No Replacement	Sharp
REGULATOR	PQ3TR5M3DZZ	No Replacement	Sharp
REGULATOR	PQ5RS1A	No Replacement	Sharp
SSR	PR29MD22NSZ	PR39MF22NSZF	Sharp
SSR	PR308S31ESU	S202S01F	Sharp
SSR	PR308S41ESU	S202S02F	Sharp
SSR	PR308T11ESZ	S202S01F	Sharp
SSR	PR308T21ESZ	S202S02F	Sharp
SSR	PR33MD22NSZ	PR36MF22NSZF	Sharp
SSR	PR36MD22NSZ	PR36MF22NSZF	Sharp
SSR	PR39MD22NSZ	PR39MF22NSZF	Sharp
DETECTOR	PT4121	No Replacement	Sharp
DETECTOR	PT491	PT491FE0000f	Sharp
DETECTOR	PT493	PT493FE0000F	Sharp
DETECTOR	PT493FL	PT493FE0000F	Sharp
DETECTOR	PT493FL1	PT493FE0000F	Sharp
DETECTOR	PT495F	PT493FE0000F	Sharp
SSR	S101N11	S202T01F w/ customer supplied snubber	Sharp
SSR	S101S15V	S101S05F w/ customer supplied snubber	Sharp
SSR	S102S03	No Replacement	Sharp
SSR	S105T01	S108T01F	Sharp
SSR	S105T02	S108T02F	Sharp
SSR	S112S02	S116S02F	Sharp
SSR	S202S03	No Replacement	
SSR	S202TY1	No Replacement	
SSR	S202TY2	No Replacement	
SSR	S205T01	S208T01F	Sharp
SSR	S205T02	S208T02F	Sharp
SSR	S208TY1	No Replacement	
SSR	S208TY2	No Replacement	
PTC	S21MS6	No Replacement	
PTC	S21MT2	PC3ST21NSZBF	Sharp
PTC	S2S3R	S2S3LA	Sharp
PTC	S2S4AY	S2S4LY0F	Sharp

## Product Change Notification (cont'd)

Customers must notify Sharp Microelectronics of the Americas in writing 90 days before the last buy date if they consider the discontinued product to be "Single Source". Sharp Microelectronics and the customer may negotiate an appropriate End-of-Life Agreement.

In case of further questions, please contact your [SHARP sales representative](#).

Customer Acknowledgement of receipt of product discontinuance.

Acceptance:

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_ Date \_\_\_\_\_