

To : Customer / お客様各位

Warranty for hazardous substances**有害物質に関する保証書**

We declare that it complies with the RoHS Directive (2011/65 / EU, (EU) 2015/863).
(Intentionally not used, the presence as an impurity does not exceed the following maximum concentration value.)

However, RoHS exemption application shall be excluded.

RoHS指令（2011/65 / EU、(EU) 2015/863）に準拠していることを宣言します。
(意図的に使用していませんが、不純物としての存在は以下の最大濃度値を超えません。)
ただし、RoHS免除申請は除きます。

Sharp Model No. / シャープ型番	RoHS Exemption / RoHS免除
See Attached Product List	

No	Hazardous substances / 有害物質	Maximum concentration value levels(ppm) / 最大濃度値レベル (ppm)
1	Cadmium and Cadmium Compounds	100
2	Hexavalent Chromium Compounds	1,000
3	Lead and Lead Compounds	1,000
4	Mercury and Mercury Compounds	1,000
5	Polybrominated Biphenyls (PBB)	1,000
6	Polybrominated Diphenyl ethers (PBDE)	1,000
7	Diisobutyl phthalate(DIBP)	1,000
8	Bis(2-ethylhexyl)phthalate(DEHP)	1,000
9	Dibutyl phthalate(DBP)	1,000
10	Bis(butylbenzyl)phthalate(BBP)	1,000

December 8, 2021

2613-1 Ichinomoto-cho, Tenri City, Nara 632-8567, Japan
奈良県 天理市 櫛本町 2613番地の1

Sharp Semiconductor Innovation Corporation.
シャープ セミコンダクター イノベーション株式会社

Signature / サイン



Quality and Reliability Engineering Division. / 品質信頼性技術部
Division Manager / 部長 Isao Watanabe / 渡部 功



To : Customer / お客様各位

Warranty for hazardous substances

有害物質に関する保証書

We declare that the hazardous substances specified below are not used in the listed products.
下記リストに記載されている有害物質が製品に使用されていないことを宣言します。

Sharp Model No. / シャープ型番
See Attached Product List

	Hazardous substances / 有害物質	CAS RN
1	DecaBDE [Decabromodiphenyl ether]	1163-19-5
2	PIP 3:1 [Phenol, Isopropylated Phosphate (3:1)]	68937-41-7
3	PCTP [Pentachlorothiophenol]	133-49-3
4	HCBD [Hexachlorobutadiene]	87-68-3
5	2,4,6-TTBP [2,4,6-tris(tert-butyl) phenol]	732-26-3

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Signature / サイン

Quality and Reliability Engineering Division. / 品質信頼性技術部

Division Manager / 部長

Isao Watanabe / 渡部 功

Product List

December 8, 2021

Sharp Semiconductor Innovation Corporation.

Quality and Reliability Engineering Division.

No	Model No. External Model Name	RoHS Exemption	TSCA CAS RN	Product Name
1	GL100MN0MP1	—		Infrared Emission Diodes
2	GL100MN1MP	—		Infrared Emission Diodes
3	GL100MN1MP1	—		Infrared Emission Diodes
4	GL480E00000F	—		Infrared Emission Diodes
5	GP1A173LCS5F	—		Photo Interrupter
6	GP1A30R1J00F	—		Photo Interrupter
7	GP1A50HRJ00F	—		Photo Interrupter
8	GP1A51HRJ00F	—		Photo Interrupter
9	GP1A52HRJ00F	—		Photo Interrupter
10	GP1A52LRJ00F	—		Photo Interrupter
11	GP1A57HRJ00F	—		Photo Interrupter
12	GP1A58HRJ00F	—		Photo Interrupter
13	GP1S092HCPIF	—		Photo Interrupter
14	GP1S093HCZ0F	—		Photo Interrupter
15	GP1S094HCZ0F	—		Photo Interrupter
16	GP1S097HCZ0F	—		Photo Interrupter
17	GP1S173LCS2F	—		Photo Interrupter
18	GP1S194HCZ0F	—		Photo Interrupter
19	GP1S196HCPSF	—		Photo Interrupter
20	GP1S196HCZ0F	—		Photo Interrupter
21	GP1S296HCPSF	—		Photo Interrupter
22	GP1S396HCP0F	—		Photo Interrupter
23	GP1S396HCPSF	—		Photo Interrupter
24	GP1S51VJ000F	—		Photo Interrupter
25	GP1S52VJ000F	—		Photo Interrupter
26	GP1S53VJ000F	—		Photo Interrupter
27	GP1S58VJ000F	—		Photo Interrupter
28	GP1UM261RKVF	—		R/C Light Receiving Unit
29	GP1UM271RMVF	—		R/C Light Receiving Unit
30	GP1UM272RKVF	—		R/C Light Receiving Unit
31	GP1UM281QKVF	—		R/C Light Receiving Unit
32	GP1UX511QS	—		R/C Light Receiving Unit
33	GP1UX511RK	—		R/C Light Receiving Unit
34	GP2A200LCS0F	7(c) - I		Photo Interrupter
35	GP2A210LCSJF	7(c) - I		Photo Interrupter
36	GP2A230LRS0F	7(c) - I		Photo Interrupter
37	GP2A230LRSAF	7(c) - I		Photo Interrupter
38	GP2A231LRSAF	7(c) - I		Photo Interrupter
39	GP2A240LCS0F	7(c) - I		Photo Interrupter
40	GP2A250LCS0F	7(c) - I		Photo Interrupter
41	GP2A25J0000F	7(c) - I		Photo Interrupter
42	GP2A431LRSAF	7(c) - I		Photo Interrupter
43	GP2AP01VT10F	—		TOF Sensor
44	GP2AP02VT00F	—		TOF Sensor
45	GP2AP02VT20F	—		TOF Sensor
46	GP2AP03VT00F	—		TOF Sensor
47	GP2S60	—		Photo Interrupter
48	GP2S60A	—		Photo Interrupter
49	GP2S60B	—		Photo Interrupter
50	GP2S700HCP	—		Photo Interrupter

111	PC3H7AJ0001H	—	Photo Coupler
112	PC3H7BJ0001H	—	Photo Coupler
113	PC3H7CJ0001H	—	Photo Coupler
114	PC3H7DJ0000F	—	Photo Coupler
115	PC3H7DJ0001H	—	Photo Coupler
116	PC3H7J00001H	—	Photo Coupler
117	PC3HU72YIP1B	—	Photo Coupler
118	PC3SD11NTZBH	—	Photo Triac Coupler
119	PC3SD11NTZCH	—	Photo Triac Coupler
120	PC3SD11YTZAH	—	Photo Triac Coupler
121	PC3SD11YTZCH	—	Photo Triac Coupler
122	PC3SD11YXPCH	—	Photo Triac Coupler
123	PC3SD12NTZAH	—	Photo Triac Coupler
124	PC3SD21NTZBH	—	Photo Triac Coupler
125	PC3SD21NTZDH	—	Photo Triac Coupler
126	PC3SD21YXPDH	—	Photo Triac Coupler
127	PC3SF11YTZBH	—	Photo Triac Coupler
128	PC3SF11YVZBH	—	Photo Triac Coupler
129	PC3SF21YVZAH	—	Photo Triac Coupler
130	PC400J00000F	—	Photo Coupler
131	PC451J00000F	—	Photo Coupler
132	PC452J00000F	—	Photo Coupler
133	PC457L0NIP0F	—	Photo Coupler
134	PC457L0YIP0F	—	Photo Coupler
135	PC4SD11YXPCH	—	Photo Triac Coupler
136	PC4SD21YXPCH	—	Photo Triac Coupler
137	PC4SD21YXPDH	—	Photo Triac Coupler
138	PC4SF21YVZBH	—	Photo Triac Coupler
139	PC81710NIP1B	—	Photo Coupler
140	PC81710NSZ1B	—	Photo Coupler
141	PC81712NSZ1B	—	Photo Coupler
142	PC81713NIP1B	—	Photo Coupler
143	PC817X1NIP1B	—	Photo Coupler
144	PC817X1NSZ1B	—	Photo Coupler
145	PC817X1NSZ1B	—	Photo Coupler
146	PC817X2NIP1B	—	Photo Coupler
147	PC817X2NSZ1B	—	Photo Coupler
148	PC817X2NSZ1B	—	Photo Coupler
149	PC817X3NIP1B	—	Photo Coupler
150	PC817X3NSZ1B	—	Photo Coupler
151	PC817X3NSZ2B	—	Photo Coupler
152	PC817X4NIP1B	—	Photo Coupler
153	PC817X4NSZ1B	—	Photo Coupler
154	PC817X6NSZ1B	—	Photo Coupler
155	PC817X7NSZ1B	—	Photo Coupler
156	PC817XNNIP1B	—	Photo Coupler
157	PC817XNNSZ1B	—	Photo Coupler
158	PC851XNNIP1H	—	Photo Coupler
159	PC851XNNSZ1H	—	Photo Coupler
160	PC852XNNIP0F	—	Photo Coupler
161	PC852XNNIP1H	—	Photo Coupler
162	PC900V0NSZXF	—	Photo Coupler
163	PC925LENIP0F	—	Photo Coupler
164	PD410PI2E00F	—	Photo Diodes
165	PR32MA11NTZH	7(a)	Solid State Relay
166	PR33MF51NSLH	7(a)	Solid State Relay
167	PR36MF21NSZH	7(a)	Solid State Relay
168	PR39MF22NSZH	7(a)	Solid State Relay
169	PR39MF51NSLH	7(a)	Solid State Relay
170	PR3BMF51NSLH	7(a)	Solid State Relay

171	PT100MFOMP	—	Photo Transistor
172	PT100MFOMP1	—	Photo Transistor
173	RJ32S3AA0DT	—	Charge Coupled Device
174	RJ32S4AA0DT	—	Charge Coupled Device
175	RJ33J3CA0DT	—	Charge Coupled Device
176	RJ33J4CA0DT	—	Charge Coupled Device
177	S2S3A00F	—	Photo Triac Coupler
178	S2S3LA0F	—	Photo Triac Coupler
179	S2S3Y00F	—	Photo Triac Coupler
180	S2S4A00F	—	Photo Triac Coupler
181	S2S4BY0F	—	Photo Triac Coupler
182	S2S5A00F	—	Photo Triac Coupler
183	S2S5FA0F	—	Photo Triac Coupler