

Optical-electric Sensor device Lead-free replacement list October 2005

\*These models in this list show the common and widely-distributed products as the lead-free type.

If you can not find out the model you are looking for, or not know the current production status of lead-free models, please contact a local SHARP sales representative.

Leaded part No.	Lead-free availability	Lead-free part No.	Outline	Solder Material	Soldering Condition
GP2D05	No	-	Distance Measuring Sensor with Connector	-	-
GP2D032	Yes	GP2D032J000F	Paper Size Sensor with Connector	-	-
GP2D03	Yes	GP2D03J0000F	Paper Size Sensor with Connector	-	-
GP2D061	Yes	GP2D061J000F	Paper Size Sensor with Connector	-	-
GP2D062	Yes	GP2D062J000F	Paper Size Sensor with Connector	-	-
GP2D06	Yes	GP2D06J0000F	Paper Size Sensor with Connector	-	-
GP2D071	Yes	GP2D071J000F	Paper Size Sensor with Connector	-	-
GP2D07	Yes	GP2D07J0000F	Paper Size Sensor with Connector	-	-
GP2D120	Yes	GP2D120XJ00F	Distance Measuring Sensor with Connector	-	-
GP2D12	Yes	GP2D12J0000F	Distance Measuring Sensor with Connector	-	-
GP2D150A	Yes	GP2D150AJ00F	Distance Measuring Sensor with Connector	-	-
GP2D150M	Yes	GP2D150MJ00F	Distance Measuring Sensor with Connector	-	-
GP2D15	Yes	GP2D15J0000F	Distance Measuring Sensor with Connector	-	-
GP2TC1	Yes	GP2TC1J0000F	Color Toner Concentration Sensor with Connector	-	-
GP2TC2	Yes	GP2TC2J0000F	Color Toner Concentration Sensor with Connector	-	-
GP2U06	Yes	GP2U06J0000F	Dust Sensor with Connector	-	-
GP2Y0A01YK	Yes	GP2Y0A01YK0F	Distance Measuring Sensor with Connector	-	-
GP2Y0A02YK	Yes	GP2Y0A02YK0F	Distance Measuring Sensor with Connector	-	-
GP2Y0A21YK	Yes	GP2Y0A21YK0F	Distance Measuring Sensor with Connector	-	-
GP2Y0AH01K	Yes	GP2Y0AH01K0F	High-precision displacement Sensor with Connector	-	-
GP2Y0D02YK	Yes	GP2Y0D02YK0F	Distance Measuring Sensor with Connector	-	-
GP2Y0D21YK	Yes	GP2Y0D21YK0F	Distance Measuring Sensor with Connector	-	-
-	Yes	GP2Y0D340K	Distance Measuring Sensor with Pin Connector	Sn-Ag-Cu(Terminal), Sn-Cu(Housing)	See Appendix
GP2Y1001AU	Yes	GP2Y1001AU0F	Dust Sensor with Connector	-	-
GP2Y1002AU	Yes	GP2Y1002AU0F	Dust Sensor with Connector	-	-
GP2Y1010AU	Yes	GP2Y1010AU0F	Dust Sensor with Connector	-	-
GP2Y2A180K	Yes	GP2Y2A180K0F	Paper Size Sensor with Connector	-	-
GP2Y2A280K	Yes	GP2Y2A280K0F	Paper Size Sensor with Connector	-	-
GP2Y2D160K	Yes	GP2Y2D160K0F	Paper Size Sensor with Connector	-	-
GP2Y2E101K	Yes	GP2Y2E101K0F	Paper Size Sensor with Connector	-	-
GP2Y2E301K	Yes	GP2Y2E301K0F	Paper Size Sensor with Connector	-	-
-	Yes	GP2Y3A001K0F	Wide Angle Sensor with Connector	-	-
-	Yes	GP2Y3A002K0F	Wide Angle Sensor with Connector	-	-
-	Yes	GP2Y3A003K0F	Wide Angle Sensor with Connector	-	-

## ■ Distance Measuring Unit : Lead-free part soldering conditions Pin connector type

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### ● Hand Soldering

Hand soldering should be completed below 260°C and within 5s up to two times.

Please take care not to let any external stress imposed on to lead pins.

Please don't do soldering at preheated condition. Please don't do soldering by reflow.

### ● Other notices

Please test the soldering method in actual condition and make sure the soldering works fine, since the impact on the junction between the device and PCB varies depending on the tooling and soldering conditions.