

**Reltronix Ltd**

Trafalgar House
Tharston Industrial Estate
Norwich, Norfolk NR15 2PD

www.reltronix.com

sales@reltronix.com

Tel: +44(0)1603 859640

MIL PRF 38534 CLASS H TRAVELLER

Customer:SiS	Cust PO#:INTERNAL	Cust Spec:Man Data Sheet
LQH #:060	Bonding Diagram#: DBD073	SO:INTERNAL
Device:7808AC	Device IIL:11283	Diff Lot: PD17762A-1 W-1
Bond Wire:Au	Package Style: TO92	Package IIL:6316
Die Attach Type:Ag	Lid Style:Lid	Lid IIL:6315

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual QS011	MIL STD 883 TM 2010	15	15		19/09/25	SG	Equipment #:1
2	Die Attach PS0018	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		19/09/25	DPB	Equipment #:6
3	Wire Bond PS0020	Wire Type: Au Diameter: 1 Mils	15	15		19/09/25	DPB	Equipment #:7
4	Internal Visual QS0029	MIL STD 883 TM 2010	15	15		19/09/25	SG	Equipment #:1
5	Lid Seal PS 00010	Cure Epoxy 1Hr @150°C	15	15		22/09/25	DPB	Equipment #:8 Oven Temp Check:152°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		22/09/25	DPB	Equipment #:12 Program: 7808AC.tsf
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		22/09/25	DPB	Equipment #:12 Program: 7808AC.tsf

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

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SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
8	100% Electrical Test +125°C	Manufacturers Datasheet	10	10		22/09/25	DPB	Equipment #:12 Program: 7808AC.tsf
9	Bond Pull Test Bake PS0005	MIL STD 883 TM2011 1hr 300°C bake	10	10		23/09/25	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS0006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		23/09/25	DPB	Equipment #:15 BPR:0081
11	Final QA QS0032	Check Test Records and Documentation	10	10		23/09/25	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		23/09/25	RB	

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	1 Vo@500mA	2 Vo@11.5V	3 Vo@23V	4.1 Vo@1A	5.1 RgLine 1A	6.1 RgLine 0.5A	7 RgLoad 250 -750mA	8 RgLoad 5mA-1.5A	9.1 Iq	10.1 SVR	11.1 DOV	12.1 Isc
Unit		V	V	V	V	mV	mV	mV	mV	mA	dB	V	mA
Lower limit		7.700	7.600	7.600	7.600	-18.000	-18.000	-80.000	-160.000	0.000	53.000	1.500	0.00
Upper limit		8.300	8.400	8.400	8.400	18.000	18.000	80.000	160.000	6.000		2.500	1200.00
1	Pass	7.95	7.95	7.95	7.93	0.47	1.00	-19.94	-60.14	5.68	57.20	2.36	5.20
2	Pass	7.95	7.95	7.96	7.93	1.10	0.65	-18.86	-59.52	5.69	58.20	2.25	4.90
3	Pass	7.99	7.99	7.99	7.97	1.99	1.52	-18.17	-53.01	5.69	57.10	2.26	4.60
4	Pass	7.97	7.97	7.97	7.95	0.50	0.74	-23.26	-58.14	5.67	59.00	2.27	4.60
5	Pass	7.95	7.95	7.95	7.93	-0.16	0.56	-18.55	-57.51	5.66	59.84	2.26	5.70
6	Pass	7.95	7.96	7.96	7.94	0.31	0.64	-22.91	-60.61	5.67	58.33	2.25	3.70
7	Pass	7.97	7.96	7.97	7.94	0.82	0.23	-20.70	-59.37	5.68	59.46	2.21	5.00
8	Pass	7.96	7.96	7.96	7.94	0.55	0.60	-21.23	-64.28	5.68	57.62	2.25	4.70
9	Pass	7.96	7.96	7.96	7.94	-0.16	0.64	-20.10	-56.23	5.67	56.46	2.24	4.60
10	Pass	7.96	7.96	7.96	7.94	0.34	-0.14	-18.20	-59.16	5.65	58.67	2.32	4.60

Cust Spec :MAN. Data Sheet

LQH #:060

7808AC

TEMP =25°C



Data

Device #	Result	1 Vo@500mA	2 Vo@11.5V	3 Vo@23V	4 Vo@1A	5 RgLine 1A	6 RgLine 0.5A	7 RgLoad 250-750mA	8 RgLoad 5mA-1.5A	9 Iq	10 SVR	11 DOV	12 Isc
Unit		V	V	V	V	mV	mV	mV	mV	mA	dB	V	mA
Lower limit		7.700	7.600	7.600	7.600	-18.000	-18.000	-80.000	-160.000	0.000	53.000	1.500	0.00
Upper limit		8.300	8.400	8.400	8.400	18.000	18.000	80.000	160.000	6.000		2.500	1200.00
1	Pass	8.00	8.00	8.00	7.99	1.22	0.89	-12.64	-37.69	5.29	61.58	2.32	5.90
2	Pass	7.96	7.96	7.96	7.94	0.81	0.69	-16.83	-52.38	5.66	59.37	2.32	5.80
3	Pass	7.99	7.99	7.99	7.97	1.20	1.20	-12.58	-37.85	5.51	60.20	2.36	5.70
4	Pass	7.97	7.97	7.97	7.95	0.87	0.59	-20.14	-58.06	5.52	57.08	2.28	4.80
5	Pass	7.98	7.98	7.98	7.97	1.10	1.26	-13.09	-41.03	5.22	61.58	2.35	4.90
6	Pass	8.01	8.01	8.01	7.99	0.39	0.95	-14.31	-40.88	5.37	62.06	2.32	5.10
7	Pass	7.99	7.99	7.99	7.97	-0.42	0.77	-16.50	-43.26	5.34	59.10	2.31	4.70
8	Pass	7.98	7.98	7.98	7.96	0.23	0.24	-15.59	-29.21	5.31	62.15	2.35	5.00
9	Pass	8.02	8.02	8.02	8.00	0.55	0.87	-12.96	-36.74	5.28	61.50	2.35	5.80
10	Pass	8.03	8.03	8.03	8.01	0.47	0.97	-18.67	-45.98	5.38	61.28	2.35	5.50

Cust Spec :MAN. Data Sheet

LQH #:060

7808AC

TEMP =-55°C



Data

Device #	Result	1 Vo/Io=500m	1 Vo/Vi=11.5	3.1 Vo/Vi=23V	4.1 Vo/Io=1A	1 RegLine 1	1 RegLine 0.5	Load 250mA t	Load 5mA t	9.1 Iq	10.1 SVR	11.1 DOV	12.1 Isc
Unit		V	V	V	V	mV	mV	mV	mV	mA	dB	V	mA
Lower limit		7.700	7.600	7.600	7.600	-18.000	-18.000	-80.000	-160.000	0.000	53.000	1.500	0.00
Upper limit		8.300	8.400	8.400	8.400	18.000	18.000	80.000	160.000	6.000		2.500	1200.00
1	Pass	7.91	7.91	7.91	7.89	1.01	-2.13	-18.80	-66.19	5.69	58.76	2.25	4.80
2	Pass	7.92	7.92	7.92	7.90	0.95	-0.96	-20.61	-69.15	5.69	56.58	2.16	4.30
3	Pass	7.86	7.86	7.86	7.84	-0.04	-5.07	-22.16	-89.03	5.65	58.78	2.29	4.40
4	Pass	7.91	7.91	7.91	7.89	-1.29	-1.18	-19.98	-67.14	5.70	58.37	2.19	4.80
5	Pass	7.92	7.91	7.91	7.89	1.08	-0.98	-19.87	-75.56	5.70	62.11	2.14	4.30
6	Pass	7.94	7.93	7.93	7.92	0.95	-0.87	-17.60	-61.03	5.71	58.88	2.20	5.40
7	Pass	7.88	7.88	7.88	7.85	0.07	-2.65	-21.36	-80.47	5.67	62.26	2.17	4.70
8	Pass	7.89	7.89	7.89	7.87	1.77	-4.24	-20.11	-78.28	5.68	61.24	2.13	5.20
9	Pass	7.88	7.88	7.88	7.86	0.44	-5.63	-20.79	-88.39	5.67	56.27	2.16	5.10
10	Pass	7.88	7.88	7.88	7.85	0.15	-4.95	-22.69	-90.39	5.65	60.57	2.14	4.00

Cust Spec :MAN. Data Sheet

LQH #:060 7808AC

TEMP =125°C



Part #	7808AC	Date	23rd September 2025
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0081
Customer	Sierra	Customer PO- SO	Internal
Batch #	LQH0060	Equipment	XYZTEC

SN: 11			SN: 12			SN: 13			SN:14			SN:15					
#	F	C	#	F	C	#	F	C	#	F	C	#	F	C	#	F	C
1	4.37	8	3	4.97	8	5	5.29	8	7	5.72	8	9	5.71	8			
2	4.35	8	4	4.64	8	6	4.78	8	8	5.47	8	10	5.28	8			

F=Pull Strength in gms C=Failure Code

CODES

1. No Wire Break
2. Bond lift from Die
3. Bond lift from Post
4. Wire breaks at Heal
5. Die Metallisation delaminates
6. No Connection
7. Wire Breaks from Die
8. Bond Breaks at span