

**Reltronix Ltd**

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MIL PRF 38534 CLASS H TRAVELLER

Customer:	Cust PO#:	Cust Spec:Man Data Sheet
LQH #:055	Bonding Diagram#: DBD077	SO:
Device:79L05AC	Device IIL:11101	
Bond Wire:Au	Package Style:16 Pin DIL	Package IIL:8053
Die Attach Type:Ag	Lid Style: 16 Pin DIL LID	Lid IIL:6316

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual QS011	MIL STD 883 TM 2010	15	15		17/06/25	SG	Equipment #:1
2	Die Attach PS0018	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		17/06/25	DPB	Equipment #:6
3	Wire Bond PS0020	Wire Type: Au Diameter: 1 Mils	15	15		18/06/25	DPB	Equipment #:7
4	Internal Visual QS0029	MIL STD 883 TM 2010	15	15		18/06/25	SE	Equipment #:1
5	Lid Seal PS 00010	Cure Epoxy 1Hr @150°C	15	15		18/06/25	SR	Equipment #:8 Oven Temp Check:152°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		19/06/25	DPB	Equipment #:12 Program: 79L05AC.tsf
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		19/06/25	DPB	Equipment #:12 Program: 79L05AC.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		19/06/25	DPB	Equipment #:12 Program: 79L05AC.tsf
9	Bond Pull Test Bake PS0005	MIL STD 883 TM2011 1hr 300°C bake	10	10		20/06/25	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS0006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		20/06/25	DPB	Equipment #:15 BPR:0072
11	Final QA QS0032	Check Test Records and Documentation	10	10		20/06/25	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		23/06/25	RB	

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Data 25C

Device #	Result	Vo	RegLine	RegLoad	Iq	SVR	VDO -40mA	VDO -100mA
Unit		V	mV	mV	mA	dB	V	V
Lower limit		4.800	-150.000	-60.000	0.100	41.000	0.500	0.500
Upper limit		5.200	150.000	60.000	6.000		2.500	2.500
1	Pass	4.98	22.19	22.78	2.55	63.95	0.80	0.95
2	Pass	5.01	21.73	22.17	2.56	65.35	0.80	0.96
3	Pass	5.00	21.99	23.58	2.57	64.82	0.81	0.95
4	Pass	4.99	22.01	24.56	2.54	65.49	0.82	0.94
5	Pass	5.00	21.43	22.67	2.54	65.22	0.81	0.96
6	Pass	4.99	21.52	24.00	2.54	64.56	0.82	0.94
7	Pass	4.99	12.65	22.06	2.53	66.27	0.83	0.95
8	Pass	4.98	20.67	24.65	2.55	65.17	0.80	0.94
9	Pass	4.99	18.37	23.31	2.55	65.31	0.82	0.95
10	Pass	5.00	13.37	23.39	2.56	66.53	0.81	0.97

Data -55C

Device #	Result	Vo	RegLine	RegLoad	Iq	SVR	VDO -40mA	VDO -100mA
Unit		V	mV	mV	mA	dB	V	V
Lower limit		4.800	-150.000	-60.000	0.100	41.000	0.500	0.500
Upper limit		5.200	150.000	60.000	6.000		2.500	2.500
1	Pass	4.94	21.21	15.19	2.83	63.76	0.91	1.04
2	Pass	4.95	22.50	16.12	2.82	65.45	0.89	1.03
3	Pass	4.95	21.93	16.91	2.87	63.84	0.92	1.04
4	Pass	4.94	21.80	17.72	2.87	65.26	0.94	1.05
5	Pass	4.96	18.68	15.85	2.83	65.22	0.92	1.03
6	Pass	4.94	20.97	15.15	2.86	64.36	0.91	1.04
7	Pass	4.94	11.66	12.33	2.84	66.69	0.91	1.01
8	Pass	4.95	14.12	15.91	2.83	66.02	0.91	1.01
9	Pass	4.94	20.47	17.22	2.83	64.23	0.90	1.02
10	Pass	4.95	18.52	14.45	2.83	64.07	0.89	1.03

Data 125C

Device #	Result	Vo	RegLine	RegLoad	Iq	SVR	VDO -40mA	VDO -100mA
Unit		V	mV	mV	mA	dB	V	V
Lower limit		4.800	-150.000	-60.000	0.100	41.000	0.500	0.500
Upper limit		5.200	150.000	60.000	6.000		2.500	2.500
1	Pass	5.04	20.92	29.77	2.15	64.15	0.68	0.89
2	Pass	5.07	18.73	29.65	2.14	65.49	0.68	0.90
3	Pass	5.05	20.32	30.36	2.16	64.82	0.69	0.88
4	Pass	5.05	19.49	33.89	2.14	65.78	0.68	0.88
5	Pass	5.05	16.16	29.00	2.15	65.87	0.70	0.89
6	Pass	5.04	19.21	31.82	2.13	65.17	0.67	0.89
7	Pass	5.04	9.07	23.31	2.17	68.28	0.68	0.88
8	Pass	5.03	11.03	27.16	2.25	66.80	0.73	0.90
9	Pass	5.02	18.97	30.59	2.19	64.82	0.70	0.91
10	Pass	5.04	16.64	30.39	2.14	65.45	0.69	0.89

Part #	79L05AC	Date	20 th June 2025
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0072
Customer		Customer PO- SO	
Batch #	LQH0055	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	8.15	8	3	5.05	8	5	8.42	8	7	6.09	8	9	6.04	8			
2	6.91	8	4	6.54	8	6	7.48	8	8	8.12	8	10	5.99	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