

**Reltronix Ltd**

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MIL PRF 38534 CLASS H TRAVELLER

Customer:	Cust PO#:4040B	Cust Spec:Man Data Sheet
LQH #:051	Bonding Diagram#: DBD064	SO:20984
Device:79L05AC	Device IIL:10610	Lot number: 7993 W1
Bond Wire:Au	Package Style:TO92 Header	Package IIL:6316
Die Attach Type:Ag	Lid Style: TO92 Cap	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		13/01/25	SG	Equipment #:1
2	Die Attach PS0018	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		13/01/25	DPB	Equipment #:6
3	Wire Bond PS0020	Wire Type: Au Diameter: 1 Mils	15	15		13/01/25	DPB	Equipment #:7
4	Internal Visual QS0029	MIL STD 883 TM 2010	15	15		13/01/25	SE	Equipment #:1
5	Lid Seal PS 00010	Cure Epoxy 1Hr @150°C	15	15		14/01/25	SR	Equipment #:8 Oven Temp Check:152°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		14/01/25	DPB	Equipment #:12 Program: 79L05AC.tsf
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		14/01/25	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		14/01/25	DPB	Equipment #:12 Program: 79L05AC.tsf
9	Bond Pull Test Bake PS0005	MIL STD 883 TM2011 1hr 300°C bake	10	10		15/01/25	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS0006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		15/01/25	DPB	Equipment #:15 BPR:0068
11	Final QA QS0032	Check Test Records and Documentation	10	10		15/01/25	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		15/01/25	RB	

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	1.1 Vo	2.1 RegLine	3.1 RegLoad	4.1 Iq	5.1 SVR	6.1 DOV
Unit		V	mV	mV	mA	dB	V
Lower limit		4.800	-150.000	-60.000	0.100	41.000	0.500
Upper limit		5.200	150.000	60.000	6.000		2.500
1	Pass	5.03	-15.70	24.34	3.47	64.15	0.85
2	Pass	5.03	-12.78	24.98	3.51	63.84	0.82
3	Pass	5.04	-14.51	27.83	3.49	63.92	0.85
4	Pass	5.03	-14.15	26.08	3.46	62.45	0.85
5	Pass	4.96	-18.20	25.36	3.42	62.03	0.83
6	Pass	5.04	-26.46	27.06	3.44	66.17	0.84
7	Pass	5.03	-12.51	26.21	3.43	63.03	0.85
8	Pass	5.03	-20.10	27.07	3.40	62.48	0.83
9	Pass	5.03	-15.54	26.96	3.43	63.76	0.83
10	Pass	5.02	-12.65	27.01	3.46	62.92	0.83

Cust Spec :MAN. Data Sheet

LQH #:051

TEMP =25°C

DEVICE: 79L05AC



Data

Device #	Result	1.1 Vo	2.1 RegLine	3.1 RegLoad	4.1 Iq	5.1 SVR	6.1 DOV
Unit		V	mV	mV	mA	dB	V
Lower limit		4.800	-150.000	-60.000	0.100	41.000	0.500
Upper limit		5.200	150.000	60.000	6.000		2.500
1	Pass	5.06	3.79	19.45	3.73	66.07	0.92
2	Pass	5.01	9.09	17.11	3.76	66.02	0.92
3	Pass	5.06	0.10	18.01	3.70	65.35	0.92
4	Pass	5.06	4.59	16.32	3.81	66.75	0.94
5	Pass	5.06	7.04	18.49	3.72	66.58	0.92
6	Pass	5.05	3.57	15.57	3.80	66.02	0.95
7	Pass	5.05	10.11	17.44	3.85	65.31	0.95
8	Pass	5.06	5.05	18.95	3.81	65.92	0.93
9	Pass	5.05	7.80	18.55	3.80	65.78	0.94
10	Pass	5.06	-3.44	18.12	3.76	65.40	0.93

Cust Spec :MAN. Data Sheet

LQH #:051

TEMP =-55°C

DEVICE: 79L05AC



Data

Device #	Result	1.1 Vo	2.1 RegLine	2.1 RegLoad	4.1 Iq	5.1 SVR	6.1 DOV
Unit		V	mV	mV	mA	dB	V
Lower limit		4.800	-150	-60.000	0.100	41	0.500
Upper limit		5.200	150	60.000	6.000		2.500
1	Pass	4.94	73.49	28.39	3.18	46.62	0.82
2	Pass	4.97	28.87	28.63	3.24	64.90	0.81
3	Pass	5.02	43.24	29.82	2.91	47.61	1.85
4	Pass	4.99	95.25	30.99	2.94	47.57	1.86
5	Pass	4.97	35.14	27.62	3.02	48.04	1.81
6	Pass	4.83	44.59	31.42	2.83	50.17	1.78
7	Pass	4.83	41.25	29.22	3.07	43.51	1.68
8	Pass	4.95	24.08	33.13	2.94	48.38	1.83
9	Pass	4.99	43.27	29.63	2.88	48.40	1.83
10	Pass	4.88	51.18	30.18	2.96	50.56	1.77

Cust Spec :MAN. Data Sheet

LQH #:051

DEVICE: 79L05AC TEMP =125°C



Part #	79L05AC	Date	15 th Jan 2025
Sample Qty	5	Bond Type	Ball
Wire Size	25μ	Wire Type	Au
Min allowable strength	2.5gm	BPR	0068
Customer		Customer PO- SO	PO4040B SO20984
Batch #	LQH0051	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	5.03	8	3	6.16	8	5	5.58	8	7	5.18	8	9	6.91	8			
2	7.31	8	4	7.65	8	6	6.54	8	8	7.45	8	10	7.81	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