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MIL PRF 38534 CLASS H TRAVELLER

Customer:SiS	Cust PO#:INTERNAL	Cust Spec:Man Data Sheet
LQH #:011	Bonding Diagram#: DBD036	SO:INTERNAL
Device:7805	Device IIL:4621	
Bond Wire:Au	Package Style:TO39	Package IIL:6821
Die Attach Type:Ag	Lid Style: TO39 CAP	Lid IIL:6821

SEQ	OPERATION/PS	CONDITIONS	QTY	ACCEPT	REJ.	DATE	SIG.	COMMENTS
1	100% Die Visual PS0001	MIL STD 883 TM 2010	15	15		26/6/23	DPB	Equipment #:1
2	Die Attach PS0002	Cure Epoxy 1Hr @150°C Oven Temp Check:152°C	15	15		26/6/23	DPB	Equipment #:8
3	Wire Bond PS 00003	Wire Type: Au Diameter: 1 Mils	15	15		26/6/23	DPB	Equipment #:7
4	Internal Visual PS0001	MIL STD 883 TM 2010	15	15		27/6/23	SE	Equipment #:1
5	Lid Seal PS 00004	Cure Epoxy 1Hr @150°C	15	15		27/6/23	SR	Equipment #:8 Oven Temp Check:151°C
6	100% Electrical Test +25°C	Manufacturers Datasheet	10	10		27/6/23	DPB	Equipment #:12 Program# 7805
7	100% Electrical Test -55°C	Manufacturers Datasheet	10	10		28/6/23	DPB	Equipment #:12 Program# 7805

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		28/6/23	DPB	Equipment #:12 Program# 7805
9	Bond Pull Test Bake PS 00005	MIL STD 883 TM2011 1hr 300°C bake	10	10		28/6/23	DPB	Equipment #:8 Oven Temp Check# 301°C
10	Bond Pull Test PS 00006	MIL STD 883 TM2011 Attach Electronic Results to Folder	10	10		28/6/23	DPB	Equipment #:15 BPR:0029
11	Final QA PS 00001	Check Test Records and Documentation	10	10		28/6/23	DSB	
12	Dispatch goods and Electronic Records to customer		1	1		28/6/23	RB	
13								
14								

ALL ELECTRICAL TEST RESULTS ARE SUPPLIED ELECTRONICALLY

Data

Device #	Result	.1 Vo 10V/500m	.1 Vo 7V/5m	3.1 Vo 7V/1A	.1 Vo 20V/5m	5.1 Vo 20V/1A	6.1 RegLine 1	7.1 RegLine 2	8.1 RegLoad 9	.1 RegLoad 2	10.1 Iq	11.1 SVR	12.1 Isc
Unit		V	V	V	V	V	mV	mV	mV	mV	mA	dB	mA
Lower limit		4.800	4.750	4.750	4.750	4.750	-100.000	-50.000	-100.000	-50.000	0.000	56.000	0.00
Upper limit		5.200	5.250	5.250	5.250	5.250	100.000	50.000	100.000	50.000	8.000		1200.00
1	Pass	5.02	5.04	4.99	5.05	5.00	9.63	7.39	-62.12	-17.32	3.13	68.08	36.10
2	Pass	5.01	5.03	4.98	5.03	4.99	9.03	5.31	-60.75	-17.59	3.10	67.71	40.90
3	Pass	5.00	5.02	4.98	5.02	4.98	12.24	6.08	-59.29	-16.94	3.08	62.04	33.90
4	Pass	5.02	5.04	5.00	5.05	5.01	8.43	2.21	-57.33	-17.19	3.12	59.52	37.30
5	Pass	5.01	5.03	4.99	5.04	4.99	10.81	7.62	-56.25	-21.34	3.07	68.99	34.60
6	Pass	5.03	5.04	5.00	5.05	5.01	11.68	7.96	-54.83	-18.01	3.05	64.40	35.70
7	Pass	5.03	5.05	5.01	5.05	5.01	10.48	7.49	-52.03	-13.98	3.04	67.30	41.50
8	Pass	5.00	5.02	4.98	5.02	4.98	8.69	8.96	-56.59	-17.48	3.07	62.09	33.40
9	Pass	5.03	5.04	5.01	5.05	5.01	8.77	2.62	-51.96	-15.49	3.12	59.51	37.30
10	Pass	5.01	5.03	4.99	5.03	4.99	10.71	4.91	-56.71	-19.28	3.06	68.28	35.60

Cust Spec :MAN. Data Sheet LQH #:011 TEMP =25°C DEVICE: 7805

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Data

Device #	Result	.1 Vo 10V/500m	.1 Vo 7V/5m	3.1 Vo 7V/1A	.1 Vo 20V/5m	5.1 Vo 20V/1A	6.1 RegLine 1	7.1 RegLine 2	8.1 RegLoad	9.1 RegLoad 2	10.1 Iq	11.1 SVR	12.1 Isc
Unit		V	V	V	V	V	mV	mV	mV	mV	mA	dB	mA
Lower limit		4.800	4.750	4.750	4.750	4.750	-100.000	-50.000	-100.000	-50.000	0.000	56.000	0.00
Upper limit		5.200	5.250	5.250	5.250	5.250	100.000	50.000	100.000	50.000	8.000		1200.00
1	Pass	4.98	4.99	4.93	4.99	4.97	7.96	4.45	-35.69	-11.98	3.09	57.02	103.10
2	Pass	4.98	4.99	4.93	4.99	4.97	9.41	4.60	-34.27	-10.65	3.07	57.35	109.00
3	Pass	4.98	5.00	4.92	5.00	4.98	7.95	4.29	-33.49	-13.63	3.05	61.37	126.40
4	Pass	4.98	4.99	4.92	5.00	4.97	8.84	3.42	-33.23	-9.88	3.04	60.40	129.10
5	Pass	5.00	5.01	4.90	5.01	4.99	9.83	7.75	-31.03	-9.68	3.10	66.00	131.40
6	Pass	5.00	5.01	4.90	5.01	4.99	9.47	5.54	-33.84	-8.23	3.10	65.67	132.30
7	Pass	5.00	5.01	4.98	5.02	4.99	8.01	5.13	-40.94	-13.13	3.12	68.28	74.20
8	Pass	5.00	5.01	4.98	5.02	4.99	10.58	5.82	-42.80	-14.90	3.11	67.64	81.00
9	Pass	5.00	5.02	4.95	5.02	5.00	8.25	3.39	-39.36	-11.23	3.12	59.30	108.90
10	Pass	5.00	5.02	4.94	5.02	5.00	6.84	4.15	-41.81	-10.96	3.11	58.53	116.40

Cust Spec :MAN. Data Sheet LQH #:011 TEMP =-55°C DEVICE: 7805

RELTRONIX

Data

Device #	Result	.1 Vo 10V/500m	.1 Vo 7V/5m	3.1 Vo 7V/1A	.1 Vo 20V/5m	5.1 Vo 20V/1A	6.1 RegLine 1	7.1 RegLine 2	8.1 RegLoad 1	9.1 RegLoad 2	10.1 Iq	11.1 SVR	12.1 Isc
Unit		V	V	V	V	V	mV	mV	mV	mV	mA	dB	mA
Lower limit		4.800	4.750	4.750	4.750	4.750	-100.000	-50.000	-100.000	-50.000	0.000	56.000	0.00
Upper limit		5.200	5.250	5.250	5.250	5.250	100.000	50.000	100.000	50.000	8.000		1200.00
1	Pass	5.00	5.02	4.98	5.02	4.98	-0.39	4.20	-60.81	-19.34	2.81	56.38	12.10
2	Pass	4.99	5.01	4.97	5.01	4.97	-1.14	4.33	-55.33	-17.40	2.80	57.99	12.40
3	Pass	5.02	5.04	5.00	5.04	5.01	8.23	6.21	-51.35	-14.05	3.05	63.55	24.20
4	Pass	5.02	5.04	5.00	5.04	5.00	5.99	3.88	-58.36	-17.38	2.95	60.58	19.00
5	Pass	5.03	5.05	5.01	5.05	5.02	7.84	4.49	-44.08	-15.06	3.11	60.79	30.20
6	Pass	5.02	5.03	5.00	5.04	5.00	-3.58	1.47	-59.07	-17.96	2.87	63.81	12.70
7	Pass	5.04	5.05	5.02	5.06	5.03	10.76	9.75	-38.90	-9.93	3.03	62.29	28.90
8	Pass	5.04	5.05	5.02	5.05	5.02	4.42	7.15	-49.13	-14.11	2.84	57.73	12.80
9	Pass	5.01	5.02	4.99	5.03	5.00	12.13	9.16	-41.91	-15.28	3.07	60.50	30.40
10	Pass	5.01	5.03	4.99	5.03	5.00	7.53	9.05	-49.55	-15.44	2.96	57.31	18.10

Cust Spec :MAN. Data Sheet LQH #:011 TEMP =125°C DEVICE: 7805

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BOND PULL RECORD 29

Part #	7805	**Date**	28th June 2023
Sample Qty	5	**Bond Type**	Ball
Wire Size	25µ	**Wire Type**	Au
Min allowable strength	2.5gm	**BPR**	0029
Customer	SiS	**Customer PO- SO**	INTERNAL
Batch #	LQH0011	**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	5.33	8	3	7.89	8	5	6.91	8	7	5.92	8	9	8.02	8			
2	5.22	8	4	7.91	8	6	6.83	8	8	5.82	8	10	8.35	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