

## 04001\_01\_r01

ITEM	DESCRIPTION	MFGR.	PART #	QUALIFICATION	Next higher level Assembly	AMOUNT	MATERIAL PREP.
1	Aluminum Tape	3M	#425	GSFC Material Selection Guide	32-10200	TBD	
2	CopperTape	3M	#1181	GSFC Material Selection Guide	32-10200	TBD	
3	KaptonTape	CHR	K 102	GSFC Material Selection Guide	32-10200	10 Sq.in.	
4	Teflon Tape	Furon	temp-r-tape type C	GSFC Material Selection Guide	32-10200	10 Sq.in.	
5	Marking Ink	Hysol	50-110R-Wt./ CAT 20	GSFC Material Selection Guide	32-10200	1 Gram	Bake @ 80°C
6	Epon Epoxy	Miller-Stephenson	Epon 828/V125	GSFC Material Selection Guide	32-10200	10 Grams	Bake @ 80°C
7	Conformal Coating	Conap	CE 1155	GSFC Material Selection Guide	32-10200	160 Sq. In. .001 In. Thick	Vacuum Bake @ 80°C
9	Epoxy-structural	Hysol	EA-9394NA	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
10	Epoxy-thermal	3M	EC-2216B/A	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
11	Epoxy-RTV	GE	RTV-566	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
12	Epoxy	Hysol	EA-9313	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C

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13	Braided Shield	Belden	#8661	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
14	Bondable Terminal	Micro-measurement	CPF-60D (Polyimide)	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
15	Cable Clamp	TA Mfg.	TA552TD03 (Teflon)	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
16	Cable Covering	Bentley Harris	Exp. sleeve 686DM	GSFC Material Selection Guide	32-10200	TBD	Bake @ 80°C
17	Teflon Grommet	NMC	G51TE-C	NASA GSFC-S-311-P	32-10200	TBD	Bake @ 80°C
18	Tefzel wire tie	Panduit	PLT Series(blue)	GSFC Material Selection Guide	32-10200	50 each	Bake @ 80°C
19	Tefzel Wire Tie mount	Panduit		GSFC Material Selection Guide	32-10200	12 each	Bake @ 80°C
20	Printed Ckt. Board	Various	Polyimide	GSFC Material Selection Guide	32-10200	100 Sq. In., .062 In. Thick	Bake @ 80°C
21	Shrink Tubing	Raychem	RNF-100 (Kynar)	GSFC Material Selection Guide	32-10200	60 inches	
22	Teflon Sheet and tubing	AIN Plastics		GSFC Material Selection Guide	32-10200	144 Sq. In.	Bake @ 80°C
23	Tissue Equivalent Plastic (TEP)	Standard Imaging Inc.	A150	Tested by GSFC	32-10100	22.55 Cu. In.	90C bake, 24 Hrs, -5 Torr

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24	Aluminum 6061-T6	Alcoa/ Reynolds		GSFC Material Selection Guide	32-10100	2.1 lbs.	
25	Aluminum 7075-T73	Alcoa/ Reynolds		MSFC-SPEC-522	32-10200	4.0 lbs.	
26	18-8 Stainless Steel	Talley Metals		522	32-10100	0.02	
27	302 Stainless Steel	Talley Metals		522	32-10100	0.005	
28	G-10	Atlas Fiber			32-10100	0.023	
29	Silicone Adhesive, Low Vapor Pressure	Dow Corning	6-1104 Silastic	Outgassing Section C GSFC	32-10100	0.02	
30	Urethane	Huntsman	Arathane 5753 A/B (LV)	Outgassing Section C GSFC	32-10100 32-10200	0.01 0.01	
31	Urethane	Huntsman	Arathane 5750 A/B (LV)	Outgassing Section C GSFC	32-10100	0.01	
32	Urethane	Huntsman	Ultralane 5750 A/B Thinner	Outgassing Section C GSFC	32-10100	0.01	
33	Polyimide HTE/Glass	Circuit Express	MIL-P-13949/10B	GSFC Material Selection Guide	32-10100	0.149	
34	Epoxy	3M	2216 B/A Gray	Outgassing Section C GSFC	32-10100	0.01	
35	Shrink tube	Flexite	7505 HA150C-VWI	GSFC Material Selection Guide	32-10100	0.01	
36	Shrink tube	Chomerics	CHO-Sh R Tube: 70-21-0003-0004	GSFC Material Selection Guide	32-10100	0.01	

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37	Lacing Tape	Gudebrod	Space DPT-H Scoured Dacron	GSFC Material Selection Guide	32-10100	0.01	
38	Sn63/Tn37 Stick Solder	Kester	Ultrapure Sn63	QQ-S-571	32-10100	0.05	
39	Solder, Sn63Pb37 RMA	Kester	282 SN63	QQ-S-571	32-10100	0.05	
40	Flux RMA	Kester	RMA Flux 186	MIL-F-14256D	32-10100	0.04	
41	Wire/Insulation	Judd Wire	SW8000SPA	GSFC Material Selection Guide	32-10100	0.1	
42	Kapton Tape	Mystik Tape	Kapton/Acrylic ADH/F	GSFC Material Selection Guide	32-10100	0.01	
43	CRES	QPL	NAS 1351	FFS 86	32-10200		
44	(MLI)	GSFC					
45	CRES 1818	Swagelock	SS-400-61		32-10200	0.25	
46	Alodine conversion coating			MIL-C-5541 Class 3	32-10100 32-10200		