



The Source
for Critical Information and Insight™

**IHS NORMALIZED FORMAT
Material Declaration Data Sheet**

Added
Normalized

RoHS Compliant		NO		Document Code		ANDIE00232
SVHC Presence		NO		Material Table Identifier		CERDIP 300 MILS 16 (SnPb)
PDSL Presence		YES		Sub Part	Sub Part Weight (mg)	Sub Part Substance Concentration (ppm)
Sub Part	Sub Part Weight (mg)	Sub Part Details	Sub Part Substance	CAS Number	Sub Part Weight (mg)	Sub Part Substance Concentration (ppm)
BASE-CERAMIC	865.12		ALUMINUM OXIDE	1344-28-1	790	913168
BASE-CERAMIC	865.12		MANGANESE DIOXIDE	1313-13-9	30	34677
BASE-CERAMIC	865.12		ANATASE	1317-70-0	16	18495
BASE-CERAMIC	865.12		CHROMIUM (III) OXIDE	1308-38-9	12.9	14911
BASE-CERAMIC	865.12		DIIRON TRIOXIDE	1309-37-1	10.5	12137
BASE-CERAMIC	865.12		QUARTZ	14808-60-7	2.6	3005
BASE-CERAMIC	865.12		TRICOBALT TETRAOXIDE	1308-06-1	2.3	2659
BASE-CERAMIC	865.12		MAGNESIUM OXIDE	1309-48-4	0.47	543
BASE-CERAMIC	865.12		CALCIUM OXIDE	1305-78-8	0.35	405
BASE-SEALING GLASS	280.2354		LEAD MONOXIDE	1317-36-8	170	606633
BASE-SEALING GLASS	280.2354		TIN DIOXIDE	18282-10-5	44	157011
BASE-SEALING GLASS	280.2354		QUARTZ	14808-60-7	19.9	71012
BASE-SEALING GLASS	280.2354		DIBORON TRIOXIDE	1303-86-2	16.4	58522
BASE-SEALING GLASS	280.2354		ALUMINUM OXIDE	1344-28-1	11	39253



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BASE-SEALING GLASS	280.2354		ANATASE	1317-70-0	9.36	33400
BASE-SEALING GLASS	280.2354		MAGNESIUM OXIDE	1309-48-4	5.85	20875
BASE-SEALING GLASS	280.2354		ZINC OXIDE	1314-13-2	2.3	8207
BASE-SEALING GLASS	280.2354		CALCIUM OXIDE	1305-78-8	0.585	2088
BASE-SEALING GLASS	280.2354		CHROMIUM (III) OXIDE	1308-38-9	0.35	1249
BASE-SEALING GLASS	280.2354		DIIRON TRIOXIDE	1309-37-1	0.35	1249
BASE-SEALING GLASS	280.2354		MANGANESE DIOXIDE	1313-13-9	0.117	418
BASE-SEALING GLASS	280.2354		DISODIUM OXIDE	1313-59-3	0.0234	84
BOND WIRE	3		ALUMINIUM	7429-90-5	3	1000000
CAP-CERAMIC	544.63		ALUMINUM OXIDE	1344-28-1	482	885004
CAP-CERAMIC	544.63		MANGANESE DIOXIDE	1313-13-9	18.5	33968
CAP-CERAMIC	544.63		QUARTZ	14808-60-7	15.4	28276
CAP-CERAMIC	544.63		ANATASE	1317-70-0	10	18361
CAP-CERAMIC	544.63		CHROMIUM (III) OXIDE	1308-38-9	7.7	14138



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CAP-CERAMIC	544.63		DIIRON TRIOXIDE	1309-37-1	6.2	11384
CAP-CERAMIC	544.63		MAGNESIUM OXIDE	1309-48-4	3.1	5692
CAP-CERAMIC	544.63		TRICOBALT TETRAOXIDE	1308-06-1	1.5	2754
CAP-CERAMIC	544.63		CALCIUM OXIDE	1305-78-8	0.23	422
CAP-SEALING GLASS	225.077		LEAD MONOXIDE	1317-36-8	138	613124
CAP-SEALING GLASS	225.077		TIN DIOXIDE	18282-10-5	35	155502
CAP-SEALING GLASS	225.077		QUARTZ	14808-60-7	16.9	75085
CAP-SEALING GLASS	225.077		DIBORON TRIOXIDE	1303-86-2	13	57758
CAP-SEALING GLASS	225.077		ALUMINUM OXIDE	1344-28-1	9.2	40875
CAP-SEALING GLASS	225.077		MAGNESIUM OXIDE	1309-48-4	5.39	23947
CAP-SEALING GLASS	225.077		CALCIUM OXIDE	1305-78-8	5.39	23947
CAP-SEALING GLASS	225.077		ZINC OXIDE	1314-13-2	1.5	6664
CAP-SEALING GLASS	225.077		CHROMIUM (III) OXIDE	1308-38-9	0.31	1377
CAP-SEALING GLASS	225.077		DIIRON TRIOXIDE	1309-37-1	0.31	1377



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CAP-SEALING GLASS	225.077		MANGANESE DIOXIDE	1313-13-9	0.077	342
CHIP	10		SILICON	7440-21-3	10	1000000
LEAD FRAME	189.3869		IRON	7439-89-6	111	586102
LEAD FRAME	189.3869		NICKEL	7440-02-0	77	406575
LEAD FRAME	189.3869		MANGANESE	7439-96-5	0.99	5227
LEAD FRAME	189.3869		SILICON	7440-21-3	0.25	1320
LEAD FRAME	189.3869		COBALT	7440-48-4	0.057	301
LEAD FRAME	189.3869		ALUMINIUM	7429-90-5	0.05	264
LEAD FRAME	189.3869		CHROMIUM	7440-47-3	0.019	100
LEAD FRAME	189.3869		SULFUR	7704-34-9	0.0114	60
LEAD FRAME	189.3869		CARBON	7440-44-0	0.0057	30
LEAD FRAME	189.3869		PHOSPHORUS	7723-14-0	0.0038	20
PASTE	9.7		SILVER	7440-22-4	9.1	938144
PASTE	9.7		LEAD BORATE GLASS	NOT PROVIDED	0.6	61856



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SOLDER	69.9		TIN	7440-31-5	44	629471
SOLDER	69.9		LEAD	7439-92-1	25.9	370529
				Total Weight (mg)	2197.0493	