



DIRECTIVE COMPLIANCY BY PRODUCT SERIES

PRODUCT SERIES	Pb-FREE	Pb-FREE PROCESSING COMPLIANT	RoHS COMPLIANT	WEEE COMPLIANT	ELV COMPLIANT
AP	Yes	Wave only	Yes	Yes	Yes
APA	See Note 2	Wave only	Yes	Yes	Yes
APH	See Note 2	Wave only	Yes	Yes	Yes
APO	See Note 2	Wave only	Yes	Yes	Yes
APS	See Note 2	Wave only	Yes	Yes	Yes
ASP	See Note 4	See Note 4 & 5	See Note 4	See Note 4	See Note 4
ATS	Yes	Yes	Yes	Yes	Yes
AW	See Note 2	Yes	Yes	Yes	Yes
BBD	See Note 2	Wave only	Yes	Yes	Yes
BBL	See Note 2	Wave only	Yes	Yes	Yes
BBS	See Note 2	Wave only	Yes	Yes	Yes
BDL	See Note 2	Wave only	Yes	Yes	Yes
BCA	Yes	Yes, (See Note 5)	Yes	Yes	Yes
BCS	Yes	Yes	Yes	Yes	Yes
BHS	See Note 2	Yes	Yes	Yes	Yes
BKS	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
BKT	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
BSE	Yes	Yes	Yes	Yes	Yes
BSH	Yes	Yes	Yes	Yes	Yes
BSS	Yes	Yes	Yes	Yes	Yes
BST	Yes	Wave only	Yes	Yes	Yes
BSW	Yes	Wave only	Yes	Yes	Yes
BTE	Yes	Yes	Yes	Yes	Yes
BTH	Yes	Yes	Yes	Yes	Yes
BTS	Yes	Yes	Yes	Yes	Yes
CB	No	Not Applicable	No	No	No
CES	Yes	Wave only	Yes	Yes	Yes
CFS	Yes	Yes, See Note 5)	Yes	Yes	Yes
CFT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
CIC	Yes	Wave only	Yes	Yes	Yes
CLE	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
CLH	See Note 3	Yes, See Note 5)	See Note 3	See Note 3	See Note 3
CLM	See Note 3	Yes, (See Note 5)	See Note 3	See Note 3	See Note 3
CLP	See Note 3	Yes, See Note 5)	See Note 3	See Note 3	See Note 3
CLT	See Note 3	Yes, (See Note 5)	See Note 3	See Note 3	See Note 3
CO	Yes	Wave only	Yes	Yes	Yes
CPAT	Yes	Wave only	Yes	Yes	Yes
DW	Yes	Wave only	Yes	Yes	Yes
DWM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
EHF	Yes	Yes, See Note 5)	Yes	Yes	Yes
EHT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
EJH	Yes	Yes, See Note 5)	Yes	Yes	Yes
EMF	Yes	Yes, (See Note 5)	Yes	Yes	Yes
EMT	Yes	Yes, See Note 5)	Yes	Yes	Yes
EQCD	No	Not Applicable	No	No	No

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ESD	See Note 2	Wave only	Yes	Yes	Yes
ESS	See Note 2	Wave only	Yes	Yes	Yes
ESQ	Yes	Wave only	Yes	Yes	Yes
ESQT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
ESW	Yes	Wave only	Yes	Yes	Yes
EW	Yes	Wave only	Yes	Yes	Yes
FC1	Yes	Yes, See Note 5)	Yes	Yes	Yes
FCF	Yes	Yes, (See Note 5)	Yes	Yes	Yes
FCT	Yes	Yes, See Note 5)	Yes	Yes	Yes
FFMD	Yes	Yes	Yes	Yes	Yes
FFSD	Yes	Not Applicable	Yes	Yes	Yes
FHP	Yes	Yes, (See Note 5)	Yes	Yes	Yes
FJ	Yes	Not Applicable	Yes	Yes	Yes
FLE	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
FOLC	Yes	Yes, See Note 5)	Yes	Yes	Yes
FSH	Yes	Yes, (See Note 5)	Yes	Yes	Yes
FSI	Yes	Yes, See Note 5)	Yes	Yes	Yes
FTE	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
FTM	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
FTMH	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
FTR	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
FTSH	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
FW	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
FWJ	Yes	Wave only	Yes	Yes	Yes
FWS	Yes	Wave only	Yes	Yes	Yes
GFZ	Yes	Yes, (See Note 5)	Yes	Yes	Yes
GMZ	Yes	Yes, See Note 5)	Yes	Yes	Yes
HCMD	See Note 3	No	No	No	No
HCMS	See Note 3	No	No	No	No
HCSD	See Note 3	Not Applicable	No	No	No
HCSS	See Note 3	Not Applicable	No	No	No
HDWM	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
HFEM	Yes	Not Applicable	Yes	Yes	Yes
HFWJ	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HFWS	Yes	Yes, See Note 5)	Yes	Yes	Yes
HIC	Yes	Wave only	Yes	Yes	Yes
HLE	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
HLS	See Note 2	Wave only	Yes	Yes	Yes
HLST	Yes	Yes, See Note 5)	Yes	Yes	Yes
HLT	Yes	Wave only	Yes	Yes	Yes
HMTMS	Yes	Yes, See Note 5)	Yes	Yes	Yes
HMTMW	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HPF	Yes	Yes, See Note 5)	Yes	Yes	Yes
HPFC	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HPM	Yes	Yes, See Note 5)	Yes	Yes	Yes

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HPMC	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HPT	Yes	Yes, See Note 5)	Yes	Yes	Yes
HPW	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HSS	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
HTMS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HTS	Yes	Yes, See Note 5)	Yes	Yes	Yes
HTSW	Yes	Yes, (See Note 5)	Yes	Yes	Yes
HW	Yes	Yes, See Note 5)	Yes	Yes	Yes
IC	See Note 2	Wave only	Yes	Yes	Yes
ICA	See Note 2	Wave only	Yes	Yes	Yes
ICF	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
ICO	See Note 2	Wave only	Yes	Yes	Yes
ICS	See Note 2	Wave only	Yes	Yes	Yes
IDMD	See Note 3	No	No	No	No
IDMS	See Note 3	No	No	No	No
IDSD	See Note 3	Not Applicable	No	No	No
IDSS	See Note 3	Not Applicable	No	No	No
IPBD	No	Yes, See Note 5)	No	No	No
IPBS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
IPBT	Yes	Yes, See Note 5)	Yes	Yes	Yes
IPS1	Yes	Yes, (See Note 5)	Yes	Yes	Yes
IPT1	Yes	Yes, See Note 5)	Yes	Yes	Yes
JL	Yes	Wave only	Yes	Yes	Yes
JW	Yes	Yes (See Note 5)	Yes	Yes	Yes
LBS	Yes	Wave only	Yes	Yes	Yes
LCW	Yes	Wave only	Yes	Yes	Yes
LS2	Yes	Yes, (See Note 5)	Yes	Yes	Yes
LSH	Yes	Yes, See Note 5)	Yes	Yes	Yes
LST	Yes	Yes, (See Note 5)	Yes	Yes	Yes
LTH	Yes	Yes, See Note 5)	Yes	Yes	Yes
LTMM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MBI	Yes	Yes, See Note 5)	Yes	Yes	Yes
MEC1	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
MEC1-EM	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
MEC1-RA	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
MEC8-DV	Yes	Yes, See Note 5)	Yes	Yes	Yes
MEC8-EM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MEC8-RA	Yes	Yes, See Note 5)	Yes	Yes	Yes
MECT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MHAS	No	Wave only	No	No	No
MHAT	No	Wave only	No	No	No
MIS	Yes	Yes, See Note 5)	Yes	Yes	Yes
MIT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MLE	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
MMS	Yes	Contact GTS	Yes	Yes	Yes

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MMT	Yes	Yes, See Note 5)	Yes	Yes	Yes
MNT	Yes	Not Applicable	Yes	Yes	Yes
MOLC-MT	Yes	Yes, See Note 5)	Yes	Yes	Yes
MOLC	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MPAS	Yes	Wave only	Yes	Yes	Yes
MPAT	See Note 2	Wave only	Yes	Yes	Yes
MSAS	No	Wave only	No	No	No
MSAT	See Note 2	Wave only	Yes	Yes	Yes
MTLW	Yes	Yes, See Note 5)	Yes	Yes	Yes
MTMM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
MTMS	Yes	Yes, See Note 5)	Yes	Yes	Yes
MTSW	Yes	Wave only	Yes	Yes	Yes
MVAS	No	Wave only	No	No	No
MVAT	See Note 2	Wave only	Yes	Yes	Yes
MW	Yes	Yes, See Note 5)	Yes	Yes	Yes
OPC	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
OPP	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
PCMS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
PCMT	Yes	Yes, See Note 5)	Yes	Yes	Yes
PCS2	Yes	Yes, (See Note 5)	Yes	Yes	Yes
PCT2	Yes	Yes, See Note 5)	Yes	Yes	Yes
PEC	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
PK	Yes	Not Applicable	Yes	Yes	Yes
PLCA	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
PLCC	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
PSS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
PTF	Yes	Yes, See Note 5)	Yes	Yes	Yes
PTHF	Yes	Yes, (See Note 5)	Yes	Yes	Yes
PTT	Yes	Yes, See Note 5)	Yes	Yes	Yes
QSE	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QSE-DP	Yes	Yes, See Note 5)	Yes	Yes	Yes
QSE-EM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QSH	Yes	Yes, See Note 5)	Yes	Yes	Yes
QSH-DP	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QSS	Yes	Yes, See Note 5)	Yes	Yes	Yes
QSS-EM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QSS-RA	Yes	Yes, See Note 5)	Yes	Yes	Yes
QST	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QTE	Yes	Yes, See Note 5)	Yes	Yes	Yes
QTE-DP	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QTE-EM	Yes	Yes, See Note 5)	Yes	Yes	Yes
QTH	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QTH-DP	Yes	Yes, See Note 5)	Yes	Yes	Yes
QTS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QTS-EM	Yes	Yes, See Note 5)	Yes	Yes	Yes

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QTS-RA	Yes	Yes, (See Note 5)	Yes	Yes	Yes
QTT	Yes	Yes, See Note 5)	Yes	Yes	Yes
RCMD	See Note 3	No	No	No	No
RCSD	Yes	Not Applicable	Yes	Yes	Yes
ROLC	Yes	Yes, (See Note 5)	Yes	Yes	Yes
RSM	Yes	Yes, See Note 5)	Yes	Yes	Yes
SB	Yes	Wave only	Yes	Yes	Yes
SCC	Yes	Yes, See Note 5)	Yes	Yes	Yes
SCID	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SCWS	Yes	Yes, See Note 5)	Yes	Yes	Yes
SD	See Note 2	Wave only	Yes	Yes	Yes
SDL	See Note 2	Wave only	Yes	Yes	Yes
SEI	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
SEL	Yes	Yes, See Note 5)	Yes	Yes	Yes
SEP	See Note 4	See Note 4 & 5	See Note 4	See Note 4	See Note 4
SFC	Yes	Yes, See Note 5)	Yes	Yes	Yes
SFLX	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SFM	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
SFMC	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SFMH	Yes	Yes, See Note 5)	Yes	Yes	Yes
SFML	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
SFMX	Yes	Yes, See Note 5)	Yes	Yes	Yes
SFPC	Yes	Not Applicable	Yes	Yes	Yes
SFPK	Yes	Yes, See Note 5)	Yes	Yes	Yes
SIB	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
SL	See Note 2	Wave only	Yes	Yes	Yes
SLM	Yes	Wave only	Yes	Yes	Yes
SLW	Yes	Wave only	Yes	Yes	Yes
SM2	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SMH	Yes	Yes, See Note 5)	Yes	Yes	Yes
SMM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SMS	Yes	Contact GTS	Yes	Yes	Yes
SNM	Yes	Not Applicable	Yes	Yes	Yes
SNT	Yes	Not Applicable	Yes	Yes	Yes
SOJ	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SOLC	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
SP	See Note 2	Wave only	Yes	Yes	Yes
SQT	Yes	Contact GTS	Yes	Yes	Yes
SQW	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
SS	See Note 2	Wave only	Yes	Yes	Yes
SSA	Yes	Wave only	Yes	Yes	Yes
SSF	Yes	Yes, See Note 5)	Yes	Yes	Yes
SSK	Yes	Wave only	Yes	Yes	Yes
SSM	Yes	Yes, See Note 5)	Yes	Yes	Yes
SSQ	Yes	Yes, (See Note 5)	Yes	Yes	Yes

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SSW	Yes	Yes, See Note 5)	Yes	Yes	Yes
STMM	Yes	Yes, (See Note 5)	Yes	Yes	Yes
SW	Yes	Contact GTS	Yes	Yes	Yes
TCMD	No	No	No	No	No
TCSD	No	Not Applicable	No	No	No
TD	See Note 2	Wave only	Yes	Yes	Yes
TFC	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
TFM	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
TFML	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
TLE	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
TLW	Yes	Yes, See Note 5)	Yes	Yes	Yes
TML	Yes	Yes, (See Note 5)	Yes	Yes	Yes
TMM	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
TMMH	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
TMMS	Yes	Yes, See Note 5)	Yes	Yes	Yes
TMS	Yes	Yes, (See Note 5)	Yes	Yes	Yes
TOLC	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
TS	See Note 2	Wave only	Yes	Yes	Yes
TSF	Yes	Yes, See Note 5)	Yes	Yes	Yes
TSH	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
TSM	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
TSS	Yes	Wave only	Yes	Yes	Yes
TST	Yes	Wave only	Yes	Yes	Yes
TSSH	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
TSW	Yes	Wave only	Yes	Yes	Yes
TW	See Note 2	Yes, (See Note 5)	Yes	Yes	Yes
YFE	See Note 2	Yes, See Note 5)	Yes	Yes	Yes
YFS	No	Yes, (See Note 5)	No	No	No
YFT	No	Yes, See Note 5)	No	No	No
YFW	No	Yes, (See Note 5)	No	No	No
YTE	Yes	Yes, See Note 5)	Yes	Yes	Yes
YTQ	Yes	Yes, (See Note 5)	Yes	Yes	Yes
YTS	Yes	Yes, See Note 5)	Yes	Yes	Yes
YTT	Yes	Yes, (See Note 5)	Yes	Yes	Yes
YTW	Yes	Yes, See Note 5)	Yes	Yes	Yes
ZF5	No	Yes, (See Note 5)	No	No	No
ZLTMM	Yes	Yes, See Note 5)	Yes	Yes	Yes
ZML	Yes	Yes, (See Note 5)	Yes	Yes	Yes
ZSS	Yes	Wave only	Yes	Yes	Yes
ZST	Yes	Wave only	Yes	Yes	Yes
ZSTMM	Yes	Yes, See Note 5)	Yes	Yes	Yes
ZW	Yes	Wave only	Yes	Yes	Yes



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Note 1: The substance composition of Samtec products is part specific. The information provided in this document by Samtec Corporation is based upon technical data believed to be reliable and is accurate to the best of our knowledge. The information is subject to change as new experience and knowledge is gained.

Note 2: This product series may contain copper alloy (brass) components. The copper alloy contains a quantity of lead within the 4.0 wt. % exemption of the RoHS Directive.

Note 3: This product series may contain intentionally added lead. Verify part composition through General Technical Support Group. Valid part number required.

Note 4: The substance composition and compliance status of SEP (Special Engineered Project) series and ASP (Application Specific Product) series is part specific. Verify part composition and compliance status through General Technical Support Group. Valid part number required.

Note 5: Standard parts in this product series may contain Bright Tin plating. If the part is to be subjected to the elevated temperatures of lead-free, reflow processing, Matte Tin plating must be specified and substituted for the Bright Tin plating.