



ENVIRONMENTAL COMPLIANCY BY PRODUCT SERIES

Product Series	Free of Intentionally added Lead	Pb-Free Processing Compliant	*EU REACH Compliant	**EU RoHS2 Compliant	***China RoHS Compliant	WEEE Compliant	ELV Compliant
2SN	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
6QCD	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6QDP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6QDPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACD	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACP-12	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACP-16	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACP-22	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACPK-12	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACPK-16	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACPK-22	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACR-12	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACR-16	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACR-22	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACRK-12	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACRK-16	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ACRK-22	Contact PEC	Contact PEC	Yes	Contact PEC	Contact PEC	Contact PEC	Contact PEC
ADP5	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ADP7	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
AFI	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
AP	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
APA	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
APO	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
APS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ASP	See Note 3	See Note 3	Yes	See Note 3	See Note 3	See Note 3	See Note 3
ATEP	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ATS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATS-30-Q	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
AW	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BAR	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
BBD	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
BBL	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
BBS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
BCA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BCS	See Note 1	Yes	Yes	Yes	See Note 1	Yes	Yes
BDL	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
BE25M	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
BE25S	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
BEC5-1	No	No	Yes	No	No	No	No
BEC5-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BEC5C-1	No	No	Yes	No	No	No	No
BEC5C-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BHS	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BKS	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BKT	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BNC5	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BNC7T	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
BSE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BSH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BSR	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
BSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BST	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
BSW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
BTE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BTE-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BTH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BTMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BTS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BTSW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
C28T	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
CAT-EX	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CB	Yes	Not Applicable	Yes	Yes	Yes	Yes	Yes
CC03	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC09	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC10	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes

CC46	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC69L	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC69R	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC79L	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC79R	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CC81	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CCH	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
CES	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
CFS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CFT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CJT	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
CLE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
CLM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLP	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
CLT	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
CRH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
CRM	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
DEC8	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
DIN7A	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
DPAF-1	No	No	Yes	No	No	No	No
DPAF-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DPAM-1	No	No	Yes	No	No	No	No
DPAM-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSEC-1	No	No	Yes	No	No	No	No
DSEC-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
DWM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EC2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ECDP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ECF	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ECUE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EEDP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EHF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EHLT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EHT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EJH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EMF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EMT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EPLSP	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
EQCD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EQDP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EQRD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EQRF	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
EQRP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
EQSD	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ERC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ERCD	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ERCD A	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ERDL2	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
ERDP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ERF5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERF5-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERF8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERF8-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERF8-RA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
ERI8-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERLSP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ERM5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERM8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERM8-EM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
ERM8-RA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
ESD	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ESHF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ESQ	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
ESQT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ESQT-368	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ESRF	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ESS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ESW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
ET60S	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ET60T	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ETMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ETRF	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
EW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
FC1	See Note 2	Yes	Yes	Yes	Yes	Yes	Yes
FC5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FCC8	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FCF	Yes	Yes	Yes	Yes	Yes	Yes	Yes

FCF8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FCS8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FCT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FFDL2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FFMD	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
FFSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FFTP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FHP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FHSC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FJ	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FJH	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
FLE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FMPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FMPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FMTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FOLC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FS5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FSH	See Note 1	Yes	Yes	Yes	See Note 1	Yes	Yes
FSI	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FSIF	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
FT5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FTE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FTM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FTMH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FTR	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FTS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FTSH-MT	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FTSH-SM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
FTSH-TH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
FW	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
FWJ	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
FW-SM	See Note 2	Yes	Yes	See Note 2	See Note 2	Yes	Yes
FW-TH	See Note 2	Wave only	Yes	See Note 2	See Note 2	Yes	Yes
FWS	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
GCAM-1	No	No	Yes	No	No	No	No
GCAM-2	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
GCCA	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
GFZ	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GRF1-C	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
GRF1-J	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
GRF1-J-P	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
GRF1-P	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
GRF1-P-C	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
GRF1-P-P	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
GRF7-C	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
GRF7-J	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
GRF7-P	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
HBCD	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
HCMD	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
HCMS	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
HCSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HCSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HCXX	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
HDAF-1	No	No	Yes	No	No	No	No
HDAF-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDAM-1	No	No	Yes	No	No	No	No
HDAM-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDBNC	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
HDC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDI6	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDLSP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HDMR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDR	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC
HDWM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
HFEM	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HFEM2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HFHM2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HFWJ	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HFWS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HHSC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HIC	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
HLE	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
HLS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
HLST	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HLT	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
HMTMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HMTSW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
HPDPI	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes

HPF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPFC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPLSP	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HPM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPMC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPW	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HQCD	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
HQDP	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
HSC8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSEC8-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSEC8-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSEC8-PE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSEC8-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HSF8	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
HSS	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
HTMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HTS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HTSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HTST	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HTSW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
HW-SM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
HW-TH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
IC	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ICA	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ICF	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
ICO	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ICS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
ICT1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IDMD	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
IDMS	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
IDSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IDSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IJ5	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IJ5C	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IJ5H	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
IJ7	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
IJ7C	See note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
IMS5	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IP5	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
IP7	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
IPBD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IPBS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPBT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPD1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IPL1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPM1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IPS1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPS6	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
IPT1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IRM1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ISD2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ISDF	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ISS1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ITD2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
JL	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
JW	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LBS	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
LCW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
LJRS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
LPAF-1	No	No	Yes	No	No	No	No
LPAF-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LPAM-1	No	No	Yes	No	No	No	No
LPAM-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LPHS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LPHT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LS2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSEM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSH	Yes	No	Yes	Yes	Yes	Yes	Yes
LSHM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSHM-DH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSHM-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSHM-RH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LST	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
LTH	Yes	No	Yes	Yes	Yes	Yes	Yes
LTMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MB1	Yes	Yes	Yes	Yes	Yes	Yes	Yes

MCX	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MCX7	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MCX-CA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MCX-EM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MCX-SM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MCX-TH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MEC1-DV	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MEC1-EM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MEC1-RA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MEC2-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC6-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC6-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC8-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC8-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC8-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEC8-VP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MECF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MECF-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MECT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MHAT	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MHDMR-SM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MHDMR-TH	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MHO81	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
MH113	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
MICD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MIS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MLE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCX	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCXV	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCXV-CA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCX-CA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCX-EM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCX-SM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMCX-TH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
MMS	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
MMSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MMSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MMT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MMTD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MMTDT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MMTST	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MMTST	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MNT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MODM-A	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODM-B	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODM-D	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODM-E	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODM-LJ	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-A	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-C	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-D	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-E	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-F	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MODS-LJ	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MOLC	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
MOLC-MT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPAS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MPCC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MPPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPSC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPSC-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPS-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
MPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPT-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPTC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPTC-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MSAS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MSAT	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MTCA	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
MTLW	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MTMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MTMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MTSW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
MUSB	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
MUSBR	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes

MUSBS	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
MVAS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
MW	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NTPE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
OPP	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
PCIE	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
PCIEA	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC
PCIEC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PCIEO	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC
PCMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCMT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCRF	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PCS2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PCT2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PEC	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
PES	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PESC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PESS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PET	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PETC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PGP	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
PHF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PHT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PK	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PLCC	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
PMSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PMSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
PSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PTF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PTHF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PTT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Q2DA	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
QDF8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QDM8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QEF8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QEM8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QFS	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QFS-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QFS-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QFS-PC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QFS-RA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QFS-RA-PC	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QFS-RF	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QFSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QFSS-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMS-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMS-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMS-PC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMS-RA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QMS-RA-PC	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QMS-RF	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QMSS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMSS-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMSS-DP-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QMSS-EM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QP6P	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QRF8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QRF8-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QRM8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QRM8-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QSE	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QSE-DP	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QSE-EM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QSFP8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QSFP8C	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
QSFPK	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
QSFPPO	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
QSH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QSH-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QSH-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QSS	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QSS-EM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QSS-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QST	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QTE	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QTE-DP	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QTE-EM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes

QTH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
QTH-DP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QTH-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QTS	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QTS-EM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
QTS-RA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QTT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RC1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RC5	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RCE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RCEF	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RCH	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RCU	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RFO58	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF174	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF178	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF179	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF25M	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF25S	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF30S	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF316	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF402	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF405	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF06T	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RF719	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RFA6T	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RFB6T	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RFB8T	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RFDL2	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
RPB1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RPB5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RPBE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RPBH	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RPBU	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
RPC1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RPC5	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RPCE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RPCU	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
RSM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
RSP	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC
RU8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
S1SS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
S2M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
S2SD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
S2SDT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
S4DL2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SADL	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SAL1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATA-007	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATA-022	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATA-CM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATA-SM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATA-SV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SATAC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SB	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SBS-DH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SBS-DV	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCA	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCF	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC	Contact PEC
SCID	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCP1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCP2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCP3	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCPE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCPFE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCPU	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCR1	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCR2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCR3	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCRE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCRES	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCRU	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCRUS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SCTP	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
SD	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
SDL	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
SEAC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes

SEAF-1	No	No	Yes	No	No	No	No
SEAF-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAF8-1	No	No	Yes	No	No	No	No
SEAF8-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAFP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAF-RA-1	No	No	Yes	No	No	No	No
SEAF-RA-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAM-1	No	No	Yes	No	No	No	No
SEAM-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAM8-1	No	No	Yes	No	No	No	No
SEAM8-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAM-GP	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SEAMI	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SEAMP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAM-RA-1	No	No	Yes	No	No	No	No
SEAM-RA-2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEAR	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SEI	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SEL	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEML	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEP	See Note 3	See Note 3	Yes	See Note 3	See Note 3	See Note 3	See Note 3
SFC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SFLTP	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SFLX	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SFPE	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SFM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SFMC	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SFMH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SFML	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SFMX	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SFPC	See Note 1	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
SFPK	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SFSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SFSDT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SFSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SFSSST	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SHF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIB	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SIBF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIR1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SL	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
SLM	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SLW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SM2	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMA-CA	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMA-EM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMA-PN	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMA-TH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMB5	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMB7H	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMP	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
SMS	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
SMSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SMSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SNM	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SNT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SO	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SOJ	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOLC	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SP	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
SPE	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SPM	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SPT	See Note 2	Non-solderable	Yes	Yes	See Note 2	Yes	Yes
SQCD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
SQT	See Note 1	Contact PEC	Yes	Yes	See Note 2	Yes	Yes
SQW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
SS4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSA	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
SSF	Yes	No	Yes	Yes	Yes	Yes	Yes
SSH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SSM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SSMB	See Note 2	Contact PEC	Yes	Yes	See Note 2	Yes	Yes
SSQ	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes

SSW-SM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
SSW-TH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
ST4	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SW	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
T1M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
T1M44	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
T1M74	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
T1M82	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
T2M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
T2SD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
T2SDT	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TCDL2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TCMD	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
TCSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TD	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
TEM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TEM-DH	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TEMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TFC	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TFM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TFMDL	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TFML	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TFSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TFSS	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
THSC	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TLE	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TLMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TLSD	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
TLW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TML	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TMMH-SM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TMMH-TH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TMM-SM	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TMM-TH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TMMS	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TMS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TNC	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
TOLC	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TS	See Note 2	Wave only	Yes	Yes	See Note 2	Yes	Yes
TSDf	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TSF	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TSH	See Note 2	Yes	Yes	Yes	See Note 2	Yes	Yes
TSM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TSS	See Note 1	Wave only	Yes	Yes	See Note 2	See Note 1	See Note 1
TST	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
TSSH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TSW	See Note 1	Wave only	Yes	Yes	See Note 2	Yes	Yes
TW-SM	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
TW-TH	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
UCC8	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UEC5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UPPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UPS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UPT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB3	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
USB-A	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USB-AM	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USB-B	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USBC	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USBC3	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USBR	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USBR-A	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
USBR-B	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
UUSB	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
UUSB3	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
VHDCP	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
VHDCR	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
VPLSP	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
VPSTP	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
VRDPC	Yes	Contact PEC	Yes	Yes	Yes	Yes	Yes
YFE	See Note 2	No	Yes	Yes	See Note 2	Yes	Yes
YFS	No	No	Yes	No	No	No	No
YFT	No	No	Yes	No	No	No	No
YFW	No	Yes	Yes	No	No	No	No
YTE	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
YTQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes

YTS	Yes	Yes	Yes	Yes	Yes	Yes	Yes
YTT	Yes	Yes	Yes	Yes	Yes	Yes	Yes
YTW	See Note 1	Yes	Yes	Yes	See Note 2	Yes	Yes
ZF1	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZF5S	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZFHF	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ZHDL2	Yes	Non-solderable	Yes	Yes	Yes	Yes	Yes
ZHR5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZLR5	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZLTMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZML	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZSS	See Note 1	Wave only	Yes	Yes	See Note 2	Yes	Yes
ZST	Yes	Wave only	Yes	Yes	Yes	Yes	Yes
ZSTMM	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ZW	Yes	Wave only	Yes	Yes	Yes	Yes	Yes

Note 1: The substance composition of Samtec products is part specific. **Options are available for the majority of the part series listed above that, if selected, can render a RoHS2 compliant part non-compliant. Please review individual part call-outs for RoHS2 compliancy.** 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 include copper alloy components containing intentionally added lead (Pb). The copper alloy components, if included, may contain a quantity of lead exceeding the CRoHS MCV homogeneous material limit thereby requiring CRoHS reporting. If included, the quantity of lead will be within the "lead-in-copper alloy" exemption of the EU RoHS2 Directive 2011/65/EU (RoHS2 Annex Exemption 6c).

Note 3: The substance composition and environmental compliance status of the following part series is part specific; ACD (Automotive Certified Designs), ASP (Application Specific Product), HDR (Application Specific Data Rate), RSP (Application Specific RF Products), SEP (Special Engineered Project). Verify part composition and EU/China environmental directive compliance status through Product Environmental Compliance Support Group (PEC). Valid part number required.

* EU REACH denotes certification of product compliancy to European Union REACH Regulation EC 1907/2006 and ECHA SVHC Candidate List (current as of 1 July 2013). It should be noted that Samtec exports only articles to the European Union. Consequently, registration is not required.

** EU RoHS2 Directive denotes certification of product compliancy to European Union Directive 2011/65/EU including compliance with the Annex annulment of the deca-BDE exemption.

*** China RoHS Compliant denotes product meets current MCV criteria for the six banned substances (Cd, CrVI, Hg, Pb, PBBs and PBDEs) listed in the "Management Methods for Controlling Pollution by Electronic Information Products" law promulgated by the Chinese Ministry of Information Industry -- commonly known as China RoHS or CRoHS Directive (series exceptions flagged as per Note 2)

Product environmental disclosure is not to be construed as a warranty or quality specification. Environmental regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.