

ELECTRONIC DEVICES INC YONKERS NEW YORK USA
RoHS and Lead-free Information
as of March,2005

*RoHS compatible is defined as compatible with the following documents:

DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment COM(2004)606 final Proposal for a COUNCIL DECISION amending Directive 2002/95/EC of the European Parliament and of the Council for the purposes of establishing the maximum concentration values for certain

ELECTRONIC DEVICES Product Family	Product Types	RANGE OF ORDERING CODE	RoHS information						Leadfree soldering information				Soldering conditions			
			ROHS compatible ¹⁾	Planned start of production of ROHS compatible components	3rd party certification available (ICP data)	RoHS compatible since date code or Start of Production	Samples of RoHS compatible components available	Resistance to soldering heat resistance according:				Maximum temperatur e/peak time/ cycles	Backward compatible (loaded soldering process)if Pb free terminals	MSL(Jedec2 0 B/C)	Plating of terminals of RoHS compatible component	
								IEC 60068-2-20(wave soldering)	IEC 60068-2-58(Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)					
100CYL	100CYL150,100CYL175,100CYL200	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	SCREW ON
10PH	10PH05,10PH10,10PH20,10PH40,10PH60,10PH80,10PH100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
200CYL	200CYL150,200CYL175,200CYL200	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SCREW ON
2CL	2CL103,2CL104,2CL105,2CL106	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
2CL	2CL2F, 2CL2G, 2CL2H, 2CL2J, 2CL2FF, 2CL2FG, 2CL2FH, 2CL2FL, 2CL2FK, 2CL2FL, 2CL2FM	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
2CL	2CL69,2CL70,2CL71,2CL72,2CL73	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
3RUS	3RUS2120,3RUS2150,3RUS2180,3RUS4120,3RUS4150,3RUS4180	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
3RW*	3RW2, 3RW2.5, 3RW3	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
3W2	3W2, 3W2.5, 3W3	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
4PH	4PH05,4PH10,4PH20,4PH40,4PH60,4PH80,4PH100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
6PH	6PH05,6PH10,6PH20,6PH40,6PH60,6PH80,6PH100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
6PHR*	6PHR05,6PHR10,6PHR20,6PHR40,6PHR60,6PHR80,6PHR100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
8PH*	8PH05,8PH10,8PH20,8PH40,8PH60,8PH80,8PH100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BCD	BCD08,BCD10,BCD12,BCD15,BCD20,BCD25,BCD30,BCD35,BCD40,BCD50	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
BRUS1*	BRUS105,BRUS110,BRUS120,BRUS140,BRUS150,BRUS160	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS2*	BRUS205,BRUS210,BRUS220,BRUS240,BRUS250,BRUS260	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS2*F	BRUS205F,BRUS210F,BRUS220F,BRUS240F,BRUS250F,BRUS260F	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS3*	BRUS305,BRUS310,BRUS320,BRUS340,BRUS350,BRUS360	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS3*W	BRUS305W,BRUS310W,BRUS320W,BRUS340W,BRUS350W,BRUS360W	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS4*	BRUS405,BRUS410,BRUS420,BRUS440,BRUS450,BRUS460	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS4*W	BRUS405W,BRUS410W,BRUS420W,BRUS440W,BRUS450W,BRUS460W	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS5*	BRUS505,BRUS510,BRUS520,BRUS540,BRUS550,BRUS560	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS6*	BRUS605,BRUS610,BRUS620,BRUS640,BRUS650,BRUS660	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
BRUS7*	BRUS705,BRUS710,BRUS720,BRUS740,BRUS750,BRUS760	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
CRVT	CRVT150,CRVT200,CRVT250,CRVT300	after0501	YES	Jan-05	NO	JAN'05	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SNAG/CU
DL	DL300,DL500,DL800,DL1000,DL1200	after0501	YES	Jan-05	NO	JAN'05	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SNAG/CU
DR	DR300,DR500,DR800,DR1000,DR1200,DR1500	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,8 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
DY*	DY05, DY10, DY20, DY40, DY60, DY80, DY100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
EF*	EF100,EF150,EF180,EF200	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
EH	EH300, EH350, EH400	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
EK	EK400, EK450, EK500, EK600	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
EM	EM700, EM800	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
EP	EP900, EP1000	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
ER	ER1000, ER1200	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
FP140*	FP14005,FP14010,FP14020,FP14040,FP14060,FP14080,FP140100,FP140120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
FP140*W	FP14005W,FP14010W,FP14020W,FP14040W,FP14060W,FP14080W,FP140100W,FP140120W	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
FPIL*	FPIL05,FPIL10,FPIL20,FPIL40,FPIL60,FPIL80,FPIL100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
FP1R32*	FP1R3205,FP1R3210,FP1R3220,FP1R3240,FP1R3260,FP1R3280,FP1R32100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HAB	HAB005, HAB10, HAB20, HAB30, HAB40, HAB60, HAB80, HAB100	AFTER1996	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HIB	HIB005, HIB010, HIB020, HIB040, HIB060, HIB080, HIB100, HIB120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HTD*	HTD3, HTD5	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,10 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HTD**	HTD15,HTD30	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HTDR*	HTDR3	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,10 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HV	HV15PD,HV20PD,HV25PD,HV30PD,HV10P,HV20P,HV30P,HV40P,HV50P	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT RECOMMEND	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE		YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HVPF	HVPF2,HVPF4,HVPF6,HVPF8,HVPF10,HVPF12	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HVPRF	HVPRF2,HVPRF4,HVPRF6,HVPRF8,HVPRF10,HVPRF12	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HX*M	HX10M,HX20M,HX30M,HX40M,HX50M,HX60M,HX80M,HX100ML	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT RECOMMEND	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,8 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
HX*P	HX15PD,HX20PD,HX25PD,HX30PD,HX15P,HX20P,HX30P,HX40P,HX50P	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT RECOMMEND	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,8 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KHP	KHP5,KHP6,KHP7,KHP8,KHP9,KHP10	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KHP*	KHP15,KHP20,KHP25,KHP30,KHP35,KHP40,KHP50	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SCREW ON
KMO	KMO5,KMO6,KMO10,KMO12,KMO15	AFTER1998	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
KP150*	KP15005,KP15010,KP15020,KP15040,KP15060,KP15080,KP150100,KP150120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KP160*	KP16005,KP16010,KP16020,KP16040,KP16060,KP16080,KP160100,KP160120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KVF	KVF5,KVF7.5,KVF10,KVF12.5,KVF15,KVF20,KVF25,KVF30	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	BTIN
KVO	KVO5,KVO8,KVO10,KVO12,KVO15	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KVP	KVP5,KVP6,KVP7,KVP8,KVP9,KVP10	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
KVP*	KVP15,KVP20,KVP30,KVP35,KVP40,KVP50	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
MP140*	MP14005,MP14010,MP14020,MP14040,MP14060,MP14080,MP140100,MP140120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
MP140*W	MP14005W,MP14010W,MP14020W,MP14040W,MP14060W,MP14080W,MP140100W,MP140120W	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
MP150*	MP15005,MP15010,MP15020,MP15040,MP15060,MP15080,MP150100,MP150120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350,20 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
MP150*W	MP15005W,MP15010W,MP15020W,MP15040W,MP15060W,MP15080W,MP150100W,MP150120W	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275,25 SEC.3	YES	NOT APPLICABLE	NOT APPLICABLE	SILVER
MP1L*	MP1L05,MP1L10,MP1L20,MP1L40,MP1L60,MP1L80,MP1L100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT AP								

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			ROHS compatible*)	Planned start of production of ROHS compatible components	3rd party certification available (ICP data)	RoHS compatible since date code or Start of Production	Samples of RoHS compatible components available	IEC 60068-2-20(wave soldering)	IEC 60068-2-58(Reflow)	JEDEC 20B (Reflow)	JEDEC 20C (Reflow)	Maximum temperatur e/peak time/ cycles	Backward compatible (lead soldering process)if Pb free terminals	MSL(Jedec2 0 B/C)	Plating of terminals of RoHS compatible component
PP	PP05, PP10, PP20, PP40, PP60, PP80, PP100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
PPR*	PPR05, PPR10, PPR20, PPR40, PPR60, PPR80, PPR100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
PT-F	PT05F, PT10F, PT20F, PT40F, PT60F, PT80F, PT100F	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
PV	PV05, PV10, PV20, PV40, PV60, PV80, PV100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
PWT*	PWT05, PWT10, PWT20, PWT40, PWT60, PWT80, PWT100	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
PY*	PY05, PY10, PY20, PY40, PY60, PY80, PY100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
QR	QR12	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT RECOMMEND	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 8 SEC, 3	YES	NOT APPLICABLE	SILVER
RAB	RAB005, RAB010, RAB020, RAB040, RAB060, RAB080, RAB100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RC*	RC05, RC10, RC20, RC40, RC60, RC80, RC100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RCD	RCD08, RCD10, RCD12, RCD15, RCD20, RCD25, RCD30, RCD35, RCD40, RCD50	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	LTIN
RF	RF160A, RF160B, RF200A, RF200B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RG	RG200A, RG200B, RG250A, RG250B, RG300A, RG300B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RHP	RHP5, RHP6, RHP7, RHP8, RHP9, RHP10	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
RHP	RHP15, RHP20, RHP25, RHP30, RHP35, RHP40, RHP50	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	SCREW ON
RK	RK400A, RK400B, RK500A, RK500B, RK600A, RK600B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RM	RM700A, RM700B, RM800A, RM800B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RMO	RMO5, RMO8, RMO10, RMO12, RMO15	AFTER 1998	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	LTIN
RP	RP900A, RP900B, RP1000A, RP1000B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RR	RR1000A, RR1000B, RR1200A, RR1200B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RUS	RUS120, RUS140, RUS150, RUS160, RUS220, RUS240, RUS250, RUS260,	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RUS	RUS320, RUS340, RUS350, RUS360, RUS420, RUS440, RUS450, RUS460	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RUSH	RUSH103, RUSH104, RUSH105	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RUST	RUST2008, RUST2010	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RVF	RVF5, RVF8, RVF10, RVF12.5, RVF15, RVF20, RVF25, RVF30, RVF40	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	LTIN
RVO	RVO5, RVO8, RVO10, RVO12, RVO15	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
RVP	RVP5, RVP6, RVP7, RVP8, RVP9, RVP10	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
RVP	RVP15, RVP20, RVP25, RVP30, RVP40, RVP50	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
RVT	RVT1000, RVT1200, RVT1500, RVT1800	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RWB	RWB005, RWB010, RWB020, RWB040, RWB060, RWB080, RWB100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RWB*A	RWB005A, RWB010A, RWB020A, RWB040A, RWB060A, RWB080A, RWB100A	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
RWB*B	RWB005B, RWB010B, RWB020B, RWB040B, RWB060B, RWB080B, RWB100B	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
SL	SL300, SL500, SL800, SL1000, SL1200	after 0501	YES	Jan-05	NO	JAN '05	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SNAG/CU
SR	SR300, SR500, SR800, SR1000, SR1200, SR1500	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT RECOMMEND	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 8 SEC, 3	YES	NOT APPLICABLE	SILVER
TMB	TMB14, TMB24, TMB32	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	SCREW ON
TVR	TVR20, TVR30	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	LTIN
UPI50*	UPI5005, UPI5010, UPI5020, UPI5040, UPI5060, UPI5080, UPI50100, UPI50120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
UPI60*	UPI6005, UPI6010, UPI6020, UPI6040, UPI6060, UPI6080, UPI60100, UPI60120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
VPI25*	VPI2505, VPI2510, VPI2520, VPI2540, VPI2560, VPI2580, VPI25100, VPI25120	ANY	YES	NOT APPLICABLE	NO	START	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	350, 20 SEC, 3	YES	NOT APPLICABLE	SILVER
VT*	VT1000, VT1200, VT1500	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
WAB	WAB005, WAB010, WAB020, WAB040, WAB060, WAB080, WAB100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
XL*	XLR5, XLU5, XL10, XLR10, XLU10, XLR20	after 0501	YES	Oct-04	NO	Jan '05	NO	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SNAG/CU
XM*	XMR5, XMU5, XMR10, XMU10	after 0501	YES	Oct-04	NO	Jan '05	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER
ZAB	ZAB005, ZAB010, ZAB020, ZAB040, ZAB060, ZAB080, ZAB100	ANY	YES	NOT APPLICABLE	NO	START	NO	YES	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	275, 25 SEC, 3	YES	NOT APPLICABLE	SILVER