

QElectronics GmbH CV8=55

Model	Family	Min CV7 value	Max CV7 value	Internal ID
F0-4	Function decoders	8	8	function-4
F0-8	Function decoders	8	8	function-8
F0-4+	Function decoders	8	8	function-4plus
F0-8+	Function decoders	8	8	function-8plus
Z1-16+	All-In-One accessory decoders	8	8	Z1-16plus
Z2-8+	All-In-One accessory decoders	8	8	Z2-8plus
Z1-16	Standard accessory decoders	8	8	Standard
Z2-8	Standard accessory decoders	8	8	Standard
Z1-16N	Basic accessory decoders	8	8	Basic
Z2-8N	Basic accessory decoders	8	8	Basic

QSI Industries CV8=113

Model	Family	Min CV7 value	Max CV7 value	Internal ID
BLI AC5 Cab Forward 4-8-8-2	QSI Articulated Steam	5	5	403
BLI N-W Class A 2-6-6-4	QSI Articulated Steam	2	5	400
BLI Pensy Duplex T1 4-4-4-4	QSI Articulated Steam	5	5	401
Lionel Challenger 4-6-6-4	QSI Articulated Steam	4	5	402
BLI N-W Class A	QSI Articulated Steam Ver. 6	6		400
BLI Pennsy Duplex T1	QSI Articulated Steam Ver. 6	6		401
BLI Cab Forward AC4,AC5 (Reed Switch)	QSI Articulated Steam Ver. 6	6		406
Life Like USRA 2-8-8-2	QSI Articulated Steam Ver. 6	6		404
QSI Revolution Articulated Steam	QSI Articulated Steam Ver. 7	7		4050
QSI Magnum Articulated Steam	QSI Articulated Steam Ver. 7	7		4000,4004
Q1 Pot	QSI Articulated Steam Ver. 7	7		4048

Q1 Reed	QSI Articulated Steam Ver. 7	7		4049
BLI NW Class A	QSI Articulated Steam Ver. 7	7		400
BLI PRR Duplex T1	QSI Articulated Steam Ver. 7	7		401
BLI PRR Duplex T1 (Reed Switch)	QSI Articulated Steam Ver. 7	7		410
BLI SP Cab Forward AC4,AC5 (Pot)	QSI Articulated Steam Ver. 7	7		403
BLI SP Cab Forward AC4,AC5 (Reed Switch)	QSI Articulated Steam Ver. 7	7		406
Eureka NSWGR AD60 Beyer- Garatt	QSI Articulated Steam Ver. 7	7		407
Lionel UP Challenger	QSI Articulated Steam Ver. 7	7		402
P2k NW Class Y3	QSI Articulated Steam Ver. 7	7		408
P2k USRA 2-8-8-2	QSI Articulated Steam Ver. 7	7		404
Sunset NP 4-6-6-4	QSI Articulated Steam Ver. 7	7		411
P2k N USRA 2-8-8-2	QSI Articulated Steam Ver. 7	7		4002
BLI E7A/B	QSI Diesel	4	5	100
Atlas B23-7	QSI Diesel Ver. 6	6		127
Atlas Dash 8-40CW,B	QSI Diesel Ver. 6	6		126
Atlas Dash 8-40CW,C	QSI Diesel Ver. 6	6		103
Atlas Dash 8-40CW,C (GE pump)	QSI Diesel Ver. 6	6		132
Atlas FM w/Mars	QSI Diesel Ver. 6	6		105
Atlas FM wo/Mars	QSI Diesel Ver. 6	6		106
Atlas MP-15DC	QSI Diesel Ver. 6	6		129
Atlas SD24/26	QSI Diesel Ver. 6	6		111
BLI AC6000	QSI Diesel Ver. 6	6		131
BLI E3/E6 w/Mars	QSI Diesel Ver. 6	6		115,121
BLI E3/E6 wo/Mars	QSI Diesel Ver. 6	6		116,122
BLI E7 w/Mars	QSI Diesel Ver. 6	6		119
BLI E7 wo/Mars	QSI Diesel Ver. 6	6		120
BLI F7	QSI Diesel Ver. 6	6		104
BLI E8/E9 w/Mars	QSI Diesel Ver. 6	6		117
BLI E8/E9 wo/Mars	QSI Diesel Ver. 6	6		118
BLI GE C30-7	QSI Diesel Ver. 6	6		128
BLI RSD-15	QSI Diesel Ver. 6	6		125
BLI SD40	QSI Diesel Ver. 6	6		102
BLI SD40 (Reed Switch)	QSI Diesel Ver. 6	6		134

BLI SW7/NW2	QSI Diesel Ver. 6	6	101
CHC RS 10	QSI Diesel Ver. 6	6	113
CHC RS 18	QSI Diesel Ver. 6	6	123
Eureka NSWR 620/720	QSI Diesel Ver. 6	6	139
InterMtn F7	QSI Diesel Ver. 6	6	110
Life Like E6 w/Mars	QSI Diesel Ver. 6	6	107
Life Like E6 wo/Mars	QSI Diesel Ver. 6	6	108
Life Like E8/E9 w/Mars	QSI Diesel Ver. 6	6	135
Life Like E8/E9 wo/Mars	QSI Diesel Ver. 6	6	136
Life Like GP9	QSI Diesel Ver. 6	6	112
Life Like GP20	QSI Diesel Ver. 6	6	130
Life Like RS27 ALCO	QSI Diesel Ver. 6	6	137
Life Like SW8	QSI Diesel Ver. 6	6	133
Life Like U28B/30B	QSI Diesel Ver. 6	6	124
Life Like U30B	QSI Diesel Ver. 6	6	124
Walthers GP30	QSI Diesel Ver. 6	6	140
QSI Revolution Diesel	QSI Diesel Ver. 7	7	1050
QSI Revolution RDC	QSI Diesel Ver. 7	7	1040
QSI Magnum Diesel	QSI Diesel Ver. 7	7	1008
QSI Magnum RDC	QSI Diesel Ver. 7	7	1041
Q1 Pot	QSI Diesel Ver. 7	7	1048
Q1 Reed	QSI Diesel Ver. 7	7	1049
Atlas B23-7	QSI Diesel Ver. 7	7	127
Atlas B23-7 w/marker	QSI Diesel Ver. 7	7	12710
Atlas C-420	QSI Diesel Ver. 7	7	154
Atlas C-420 w/Mars	QSI Diesel Ver. 7	7	168
Atlas Dash 8-40B/BW	QSI Diesel Ver. 7	7	126
Atlas Dash 8-40B/BW w/beacon	QSI Diesel Ver. 7	7	12610
Atlas Dash 8-40C/CW	QSI Diesel Ver. 7	7	103
Atlas Dash 8-40C/CW (GE pump)	QSI Diesel Ver. 7	7	132
Atlas GP38	QSI Diesel Ver. 7	7	170
Atlas GP40	QSI Diesel Ver. 7	7	171
Atlas GP40-2 w/Mars	QSI Diesel Ver. 7	7	173
Atlas GP40-2 wo/Mars	QSI Diesel Ver. 7	7	174
Atlas HH660	QSI Diesel Ver. 7	7	1031
Atlas MP-15DC	QSI Diesel Ver. 7	7	129
Atlas SD24/26	QSI Diesel Ver. 7	7	111
Atlas SD35 P3 horn	QSI Diesel Ver. 7	7	149
Atlas SD35 H4710 whistle	QSI Diesel Ver. 7	7	150
Atlas TM w/Mars	QSI Diesel Ver. 7	7	105
Atlas TM wo/Mars	QSI Diesel Ver. 7	7	106
Atlas U30B w/Mars	QSI Diesel Ver. 7	7	184
Atlas U30B	QSI Diesel Ver. 7	7	185

Atlas U30C	QSI Diesel Ver. 7	7	1042
BLI AC6000	QSI Diesel Ver. 7	7	131
BLI C30-7	QSI Diesel Ver. 7	7	128
BLI E3/E6 w/Mars	QSI Diesel Ver. 7	7	115,121
BLI E3/E6 wo/Mars	QSI Diesel Ver. 7	7	116,122
BLI E7 w/Mars	QSI Diesel Ver. 7	7	100,119
BLI E7 wo/Mars	QSI Diesel Ver. 7	7	120
BLI E8/E9 w/Mars	QSI Diesel Ver. 7	7	117
BLI E8/E9 wo/Mars	QSI Diesel Ver. 7	7	118
BLI F7	QSI Diesel Ver. 7	7	104
BLI F7 w/ Dynamics	QSI Diesel Ver. 7	7	143
BLI RSD-15	QSI Diesel Ver. 7	7	125
BLI RSD-15 (Beacon)	QSI Diesel Ver. 7	7	12520
BLI SD40-2	QSI Diesel Ver. 7	7	102
BLI SD40-2 (Reed Switch)	QSI Diesel Ver. 7	7	134
BLI SW7/NW2	QSI Diesel Ver. 7	7	101
BLI SW7/NW2 (Reed Switch)	QSI Diesel Ver. 7	7	155
CHC C-Liner	QSI Diesel Ver. 7	7	114
CHC RS 10	QSI Diesel Ver. 7	7	113
CHC RS 18	QSI Diesel Ver. 7	7	123
Eureka Class 40	QSI Diesel Ver. 7	7	186
Eureka CPH/CTH Railmotor	QSI Diesel Ver. 7	7	175
Eureka NSWR 620/720	QSI Diesel Ver. 7	7	139
InterMtn F7	QSI Diesel Ver. 7	7	110
InterMtn U18B w/Mars	QSI Diesel Ver. 7	7	182
InterMtn U18B	QSI Diesel Ver. 7	7	183
P2k E6 w/Mars	QSI Diesel Ver. 7	7	107
P2k E6 wo/Mars	QSI Diesel Ver. 7	7	108
P2k E7 w/Mars	QSI Diesel Ver. 7	7	151
P2k E7 wo/Mars	QSI Diesel Ver. 7	7	152
P2k E7A w/Mars	QSI Diesel Ver. 7	7	179
P2k E7A	QSI Diesel Ver. 7	7	180
P2k E7B	QSI Diesel Ver. 7	7	181
P2k E8/E9 w/Mars	QSI Diesel Ver. 7	7	135
P2k E8/E9 wo/Mars	QSI Diesel Ver. 7	7	136
P2k F3A w/Mars	QSI Diesel Ver. 7	7	176
P2k F3A	QSI Diesel Ver. 7	7	177
P2k F7B	QSI Diesel Ver. 7	7	160,178
P2k F7A w/Mars	QSI Diesel Ver. 7	7	158
P2k F7A	QSI Diesel Ver. 7	7	159
P2k F7B (other)	QSI Diesel Ver. 7	7	160
P2k GP7 w/Mars	QSI Diesel Ver. 7	7	144
P2k GP7 wo/Mars	QSI Diesel Ver. 7	7	145

P2k GP7/9 db	QSI Diesel Ver. 7	7		167
P2k GP7/9 non db	QSI Diesel Ver. 7	7		169
P2k GP9	QSI Diesel Ver. 7	7		112
P2k GP20	QSI Diesel Ver. 7	7		130
P2k GP30	QSI Diesel Ver. 7	7		140
P2k H10-44	QSI Diesel Ver. 7	7		166
P2k RS27	QSI Diesel Ver. 7	7		137
P2k SD7/9 db	QSI Diesel Ver. 7	7		164
P2k SD7/9 non db	QSI Diesel Ver. 7	7		165
P2k SW8	QSI Diesel Ver. 7	7		133
P2k SW9/1200	QSI Diesel Ver. 7	7		187
P2k U28B/30B	QSI Diesel Ver. 7	7		124
Tenshodo DD-51	QSI Diesel Ver. 7	7		163
G USA GP38	QSI Diesel Ver. 7	7		1015
O Atlas C424	QSI Diesel Ver. 7	7		1034
O Atlas C628	QSI Diesel Ver. 7	7		1032
O Atlas Dash 8-40B	QSI Diesel Ver. 7	7		1020
O Atlas Erie Built	QSI Diesel Ver. 7	7		1038
O Atlas F2	QSI Diesel Ver. 7	7		1036
O Atlas GP9	QSI Diesel Ver. 7	7		1021
O Atlas GP35	QSI Diesel Ver. 7	7		1019
O Atlas GP60	QSI Diesel Ver. 7	7		1018
O Atlas MP15	QSI Diesel Ver. 7	7		1033
O Atlas RS-1	QSI Diesel Ver. 7	7		1022
O Atlas SD35	QSI Diesel Ver. 7	7		1024
O Atlas SD40	QSI Diesel Ver. 7	7		1014
O Atlas SW7	QSI Diesel Ver. 7	7		1037
BLI GG-1	QSI Electric	3	6	200
QSI Revolution Electric	QSI Electric Ver. 7	3	7	2050
QSI Magnum Electric	QSI Electric Ver. 7	3	7	2001
Q1 Pot	QSI Electric Ver. 7	3	7	2048
Q1 Reed	QSI Electric Ver. 7	3	7	2049
BLI GG-1	QSI Electric Ver. 7	3	7	200
Tenshodo EF58	QSI Electric Ver. 7	3	7	202
Charles Row G GG-1	QSI Electric Ver. 7	3	7	2000
Lionel Veranda Turbine	QSI Gas Turbine	4	6	500
QSI Revolution Turbine	QSI Gas Turbine Ver. 7	7	7	5050
QSI Magnum Turbine	QSI Gas Turbine Ver. 7	7	7	5000
Q1 Pot	QSI Gas Turbine Ver. 7	7	7	5048
Q1 Reed	QSI Gas Turbine Ver. 7	7	7	5049
Lionel Veranda Turbine	QSI Gas Turbine Ver. 7	7	7	500
BLI ATSF 3751 4-8-4	QSI Steam	5	5	305
BLI C-O T1 Texas 2-10-4	QSI Steam	5	5	310

BLI Hudson 4-6-4	QSI Steam	1	5	300
BLI Mikado 2-8-2	QSI Steam	2	5	301
BLI NYC S1b Niagara 4-8-4	QSI Steam	5	5	313
BLI N-W J 4-8-4	QSI Steam	5	5	312
BLI PRR J1 2-10-4	QSI Steam	5	5	306
BLI PRR M1a/b 4-8-2	QSI Steam	5	5	302
BLI On30 Consolidation 2-8-0	QSI Steam	5	5	303
BLI On30 Consolidation 2-8-0 w/Xmas	QSI Steam	5	5	304
BLI ATSF 3800 Class 2-10-2 2-10- 4	QSI Steam Ver. 6	6		316
BLI C-O T1 2-10-4	QSI Steam Ver. 6	6		310
BLI Great Northan 700 SP-S	QSI Steam Ver. 6	6		308
BLI M1A 4-8-2	QSI Steam Ver. 6	6		302
BLI N-W J 4-8-4	QSI Steam Ver. 6	6		312
BLI NYC S1b 4-8-4	QSI Steam Ver. 6	6		306
BLI PRR J1 2-10-4	QSI Steam Ver. 6	6		313
BLI PRR K4 4-6-2	QSI Steam Ver. 6	6		309
BLI UP Mountian 4-8-2	QSI Steam Ver. 6	6		307
P2K USRA 0-8-0	QSI Steam Ver. 6	6		315
Life Like 2-8-4 Berkshire w/Mars	QSI Steam Ver. 6	6		317
Life Like 2-8-4 Berkshire wo/Mars	QSI Steam Ver. 6	6		318
Walthers 0-6-0 Switcher	QSI Steam Ver. 6	6		319
QSI Revolution Steam	QSI Steam Ver. 7	7		3050
QSI Magnum Steam	QSI Steam Ver. 7	7		3010
Q1 Pot	QSI Steam Ver. 7	7		3048
Q1 Reed	QSI Steam Ver. 7	7		3049
Austrains C35 Class 4-6-0	QSI Steam Ver. 7	7		326
BLI ATSF 3751 Class 4-8-4	QSI Steam Ver. 7	7		305
BLI ATSF 3800 Class 2-10-2 2-10- 4	QSI Steam Ver. 7	7		316
BLI CO T1 2-10-4	QSI Steam Ver. 7	7		310
BLI DRGW C16 2-8-0	QSI Steam Ver. 7	7		303
BLI DRGW C16 2-8-0 Christmas	QSI Steam Ver. 7	7		304
BLI GN S2 4-8-4	QSI Steam Ver. 7	7		308
BLI NH I-5 4-6-4	QSI Steam Ver. 7	7		328
BLI NW J 4-8-4	QSI Steam Ver. 7	7		312
BLI NYC J1D-E 4-6-4	QSI Steam Ver. 7	7		300
BLI NYC Steamlined 4-6-4	QSI Steam Ver. 7	7		314
BLI NYC L4a 4-8-2	QSI Steam Ver. 7	7		335
BLI NYC S1b 4-8-4	QSI Steam Ver. 7	7		313
BLI PRR J1 2-10-4	QSI Steam Ver. 7	7		306
BLI PRR K4 4-6-2	QSI Steam Ver. 7	7		309
BLI PRR M1A 4-8-2	QSI Steam Ver. 7	7		302

BLI UP MT-73 4-8-2	QSI Steam Ver. 7	7	307
BLI UP TTT6/7 2-10-2 brass	QSI Steam Ver. 7	7	331
BLI UP TTT6/7 2-10-2 hybrid	QSI Steam Ver. 7	7	332
BLI USRA Mikado 2-8-2	QSI Steam Ver. 7	7	301
CHC U2G Northern	QSI Steam Ver. 7	7	336
Eureka C38 4-6-2	QSI Steam Ver. 7	7	325
P2K USRA 0-6-0	QSI Steam Ver. 7	7	319
P2K USRA 0-8-0	QSI Steam Ver. 7	7	315
P2K USRA 2-10-2	QSI Steam Ver. 7	7	323
P2K 2-8-4 Berkshire w/Mars	QSI Steam Ver. 7	7	317
P2K 2-8-4 Berkshire wo/Mars	QSI Steam Ver. 7	7	318
PCM PRR I1sa 2-10-0	QSI Steam Ver. 7	7	333
Sunset NP 4-8-4	QSI Steam Ver. 7	7	320
Sunset SP 2-6-0	QSI Steam Ver. 7	7	334
Tenshodo C62 4-6-4	QSI Steam Ver. 7	7	338
Tenshodo C63 2-6-2	QSI Steam Ver. 7	7	337
Tenshodo D-51 2-8-2	QSI Steam Ver. 7	7	321
Tenshodo D-51 2-8-2 (Reed Switch)	QSI Steam Ver. 7	7	329
Mikado	QSI Steam Ver. 7	7	324
G Accucraft K-28	QSI Steam Ver. 7	7	3001
G Aristocraft Steam	QSI Steam Ver. 7	7	3017
O Atlas 0-6-0	QSI Steam Ver. 7	7	3015
O Sunset 2-8-2 Mikado	QSI Steam Ver. 7	7	3006
O Sunset Flying Scotsman	QSI Steam Ver. 7	7	3007
Stock car chicken	QSI Rolling Stock	7	802
Stock car cow	QSI Rolling Stock	7	800
Stock car pig	QSI Rolling Stock	7	801
Titan Diesel	QSI Ver. 8	8	1100
Titan RDC	QSI Ver. 8	8	1112
Titan Electric	QSI Ver. 8	8	2100
Titan Steam	QSI Ver. 8	8	3100
Titan Articulated Steam	QSI Ver. 8	8	4100
Titan Gas Turbine	QSI Ver. 8	8	5100
Titan G Diesel	QSI Ver. 8	8	1101
Titan G RDC	QSI Ver. 8	8	1121
Titan G Electric	QSI Ver. 8	8	2101
Titan G Steam	QSI Ver. 8	8	3101
Titan G Articulated Steam	QSI Ver. 8	8	4101
Titan G Gas Turbine	QSI Ver. 8	8	5101
FX-SD GE Dash-8 40B (Atlas)	QSI Ver. 8	8	1106
FX-DO GE Dash-8 40B (Atlas)	QSI Ver. 8	8	1118
FX-DO F3A EMD567 (Atlas)	QSI Ver. 8	8	1116
FX-DO F3B EMD567 (Atlas)	QSI Ver. 8	8	1119

FX-SD GP40-2 (Atlas)	QSI Ver. 8	8	1107
FX-MT MP-15 (Atlas)	QSI Ver. 8	8	1110
FX-SD SD35 (Atlas)	QSI Ver. 8	8	1108
Titan-G Steam (Bachmann)	QSI Ver. 8	8	3107
FX-DO E7 (Sunset Models)	QSI Ver. 8	8	1111
FX-DO FL9 (Sunset Models)	QSI Ver. 8	8	1126
FX-U NP Z6 Challenger (Sunset Models)	QSI Ver. 8	8	4102
FX-JTT KiHa52 (Tenshodo)	QSI Ver. 8	8	1102
FX-JTT EF66 (Tenshodo)	QSI Ver. 8	8	2102
FX-JTT EF58 (Tenshodo)	QSI Ver. 8	8	2105
FX-JTT C62 (Tenshodo)	QSI Ver. 8	8	3106
FX-U ALCo 244	QSI Ver. 9 Emulator	9	1123
FX-U F3 EMD567	QSI Ver. 9 Emulator	9	1115
Titan-G ALCo 244	QSI Ver. 9 Emulator	9	1127
Titan-G F3 EMD567	QSI Ver. 9 Emulator	9	1132
FX-SD U30B (Atlas)	QSI Ver. 9 Emulator	9	1130
FX-SD R Class (Eureka)	QSI Ver. 9 Emulator	9	3104
FX-U 50 Class (Eureka)	QSI Ver. 9 Emulator	9	3109
FX-U 40 Class (Eureka)	QSI Ver. 9 Emulator	9	1173

RR-CirKits CV8=87

Model	Family	Min CV7 value	Max CV7 value	Internal ID
LNCP	Control Point	01		
MotorMan	Decoders			25
MotorMan-II	Decoders			28
MotorMan-III	Decoders			29
SignalMan	Decoders	10		
SwitchMan	Decoders	10		
TC-64	Tower Controller	06		
Mark-II	Tower Controller	11		
TowerMan	Decoders	10		
WatchMan	Decoders	11		

Railflyer Model Prototypes, Inc. CV8=84

Model Family Min CV7 value Max CV7 value Internal ID

Railnet Solutions, LLC CV8=66

Model Family Min CV7 value Max CV7 value Internal ID

Rails Europ Express CV8=146

Model Family Min CV7 value Max CV7 value Internal ID

Railstars Limited CV8=91

Model Family Min CV7 value Max CV7 value Internal ID

RamFixx Technologies (Wangrow) CV8=15

Model Family Min CV7 value Max CV7 value Internal ID

Rampino Elektronik CV8=57

Model Family Min CV7 value Max CV7 value Internal ID

Rautenhaus Digital Vertrieb CV8=53

Model	Family	Min CV7 value	Max CV7 value	Internal ID
RMX992/993	Train Decoders v10	10	10	RMX992
RMX992/993	Train Decoders v11	11	11	RMX992

RealRail Effects CV8=139

Model Family Min CV7 value Max CV7 value Internal ID

Regal Way Co. Ltd CV8=32

Model Family Min CV7 value Max CV7 value Internal ID

Rock Junction Controls CV8=149

Model Family Min CV7 value Max CV7 value Internal ID

Roco Modelspielwaren CV8=161

Model Family Min CV7 value Max CV7 value Internal ID

Rocrail CV8=70

Model Family Min CV7 value Max CV7 value Internal ID