

TABLE 1 – REPRESENTATIVE HOT-SWAP POWER CONTROLLERS

Manufacturer	Model	Supply					Breaker threshold nominal (mV)	On-chip features				Status signals
		Voltage		Absolute max (IV)	Current			Automatic retry	Output UVLO detect	Output OVLO detect	Load discharge	Fault
		Minimum (IV)	Maximum (IV)		Typ (mA)	Maximum (mA)						
Intersil	HIP1011E (octal)	10.8	13.2	14	5.3	8	ADJ					✓
	ISL6118 (dual)	2.7	5.5	6	0.12	0.2	NA					✓
	ISL6121	2.5	5.5	6	0.12	0.2	NA					✓
Linear Technology	LTC4211CMS	2.5	16.5	17	1.0	1.5	50		✓			✓
	LTC4211CMS8	2.5	16.5	17	1.0	1.5	50		✓			
Maxim	MAX4271	2.7	13.2	15	0.6	1	50			✓		✓
	MAX4272	2.7	13.2	15	0.6	1	50	✓		✓		✓
	MAX4273	2.7	13.2	15	0.6	1	50	✓		✓	✓	✓
Micrel	MIC2582	2.3	13	20	1.6	2.5	43		✓			
	MIC2583	2.3	13	20	1.6	2.5	43		✓		✓	✓
	MIC2583R	2.3	13	20	1.6	2.5	43	✓	✓		✓	✓
Summit	SMH4812	20	ZL	ZL	3	10	50	✓	✓	✓		✓
Supertex	HV300	10	90	100	0.8	1	50		✓	✓		
Texas Instruments	TPS2306 (dual)	2.75	13.6	15	2	4	ADJ		✓			✓

Notes:

ADJ: adjustable by user-selectable resistor; NA: not applicable (on-chip current sense); ZL: zener limited (designed for 48V nominal supplies).

Status signals			
Power good	Reset	Package	Price
		SSOP-28	\$4.78 (10,000)
		SOIC-8	\$1.25 (10,000)
		SOIC-8	\$1 (10,000)
✓	✓	MSOP-10	\$1.95 (1000)
	✓	MSOP-8	\$1.95 (1000)
		SOIC-8	\$1.95 (1000)
		SOIC-8	\$2.05 (1000)
	✓	QSOP-16	\$2.24 (1000)
	✓	SOIC-8	\$1.95 (1000)
✓	✓	QSOP-16	\$2.28 (1000)
✓	✓	QSOP-16	\$2.28 (1000)
✓		SSOP-16	\$4.33 (1000)
✓		SOIC-8	\$1.50 (10,000)
		SOIC-16	\$3.50 (1000)