## Automotive Dual N-Channel 60 V (D-S) 175 °C MOSFET

PRODUCT SUMMARY	
V <sub>DS</sub> (V)	60
$R_{DS(on)}(\Omega)$ at $V_{GS} = 10 \text{ V}$	0.020
$R_{DS(on)}(\Omega)$ at $V_{GS} = 4.5 \text{ V}$	0.024
I <sub>D</sub> (A) per leg	23
Configuration	Dual

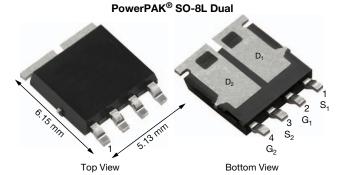
#### **FEATURES**

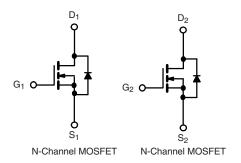
- TrenchFET® power MOSFET
- AEC-Q101 qualified
- 100 % Rq and UIS tested
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





RoHS COMPLIANT HALOGEN **FREE** 





ORDERING INFORMATION	
Package	PowerPAK SO-8L
Lead (Pb)-free and Halogen-free	SQJ952EP-T1-GE3

<b>ABSOLUTE MAXIMUM RATING</b>	<b>S</b> ( $T_C = 25  ^{\circ}C$ , unless	s otherwise noted	d)		
PARAMETER		SYMBOL	LIMIT	UNIT	
Drain-Source Voltage		$V_{DS}$	60	V	
Gate-Source Voltage		V <sub>GS</sub>	± 20		
Continuous Drain Current	T <sub>C</sub> = 25 °C	1	23		
Continuous Drain Current	T <sub>C</sub> = 125 °C	I <sub>D</sub>	13		
Continuous Source Current (Diode Conduction)		I <sub>S</sub>	23	Α	
Pulsed Drain Current <sup>a</sup>		I <sub>DM</sub>	93		
Single Pulse Avalanche Current		I <sub>AS</sub>	21		
Single Pulse Avalanche Energy	L = 0.1 mH	E <sub>AS</sub>	22	mJ	
Maximum Dawar Discinction 8	T <sub>C</sub> = 25 °C		25	10/	
Maximum Power Dissipation <sup>a</sup>	T <sub>C</sub> = 125 °C	$P_{D}$	8.3	W	
Operating Junction and Storage Temperature Range		T <sub>J</sub> , T <sub>stg</sub>	-55 to +175	°C	
Soldering Recommendations (Peak Temperature) c, d			260	-0	

THERMAL RESISTANCE RATINGS				
PARAMETER		SYMBOL	LIMIT	UNIT
Junction-to-Ambient	PCB Mount c	$R_{thJA}$	85	°C/W
Junction-to-Case (Drain)		$R_{thJC}$	6	C/VV

- a. Pulse test; pulse width  $\leq 300 \, \mu s$ , duty cycle  $\leq 2 \, \%$ .
- b. When mounted on 1" square PCB (FR4 material).
- c. See solder profile (www.vishay.com/doc?73257). The PowerPAK SO-8L is a leadless package. The end of the lead terminal is exposed copper (not plated) as a result of the singulation process in manufacturing. A solder fillet at the exposed copper tip cannot be guaranteed and is not required to ensure adequate bottom side solder interconnection.
- d. Rework conditions: manual soldering with a soldering iron is not recommended for leadless components.



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PARAMETER	SYMBOL	TEST CONDITIONS		MIN.	TYP.	MAX.	UNIT
Static							
Drain-Source Breakdown Voltage	V <sub>DS</sub>	V <sub>GS</sub> :	= 0 V, I <sub>D</sub> = 250 μA	60	-	-	V
Gate-Source Threshold Voltage	V <sub>GS(th)</sub>	V <sub>DS</sub> =	= V <sub>GS</sub> , I <sub>D</sub> = 250 μA	1.5	2.0	2.5	1 °
Gate-Source Leakage	I <sub>GSS</sub>	V <sub>DS</sub> =	0 V, V <sub>GS</sub> = ± 20 V	-	-	± 100	nA
		$V_{GS} = 0 V$	V <sub>DS</sub> = 60 V	-	-	1	
Zero Gate Voltage Drain Current	I <sub>DSS</sub>	$V_{GS} = 0 V$	V <sub>DS</sub> = 60 V, T <sub>J</sub> = 125 °C	-	-	50	μΑ
		V <sub>GS</sub> = 0 V	V <sub>DS</sub> = 60 V, T <sub>J</sub> = 175 °C	-	-	150	
On-State Drain Current <sup>a</sup>	I <sub>D(on)</sub>	V <sub>GS</sub> = 10 V	$V_{DS} \ge 5 \text{ V}$	30	-	-	Α
		V <sub>GS</sub> = 10 V	I <sub>D</sub> = 10.3 A	-	0.012	0.020	Ω
Drain-Source On-State Resistance a	Б	V <sub>GS</sub> = 10 V	I <sub>D</sub> = 10.3 A, T <sub>J</sub> = 125 °C	-	-	0.030	
Drain-Source On-State Resistance	R <sub>DS(on)</sub>	V <sub>GS</sub> = 10 V	I <sub>D</sub> =10.3 A, T <sub>J</sub> = 175 °C	-	-	0.040	
		V <sub>GS</sub> = 4.5 V	I <sub>D</sub> = 10.3 A	-	0.016	0.024	1
Forward Transconductance b	9 <sub>fs</sub>	V <sub>DS</sub> = 15 V, I <sub>D</sub> = 10.3 A		-	68	-	S
Dynamic <sup>b</sup>							
Input Capacitance	C <sub>iss</sub>			-	1500	1800	
Output Capacitance	Coss	$V_{GS} = 0 V$	= 0 V V <sub>DS</sub> = 30 V, f = 1 MHz	-	130	156	pF
Reverse Transfer Capacitance	C <sub>rss</sub>	1		-	55	66	
Total Gate Charge <sup>c</sup>	Qg			-	24	30	
Gate-Source Charge <sup>c</sup>	Q <sub>gs</sub>	V <sub>GS</sub> = 10 V	$V_{DS} = 30 \text{ V}, I_D = 4.5 \text{ A}$	-	5	-	nC
Gate-Drain Charge <sup>c</sup>	$Q_{gd}$	1		-	12	-	
Gate Resistance	$R_g$	f = 1 MHz		0.6	1.3	2.6	Ω
Turn-On Delay Time <sup>c</sup>	t <sub>d(on)</sub>			-	9	12	
Rise Time <sup>c</sup>	t <sub>r</sub>	$V_{DD} = 30 \text{ V}, \text{ R}_L = 30 \Omega$ $I_D \cong \text{1 A, V}_{GEN} = \text{10 V}, \text{ R}_g = \text{1 }\Omega$		-	6	8	ns
Turn-Off Delay Time <sup>c</sup>	t <sub>d(off)</sub>			-	25	30	
Fall Time <sup>c</sup>	t <sub>f</sub>			-	9	12	
Source-Drain Diode Ratings and Chara	acteristics <sup>b</sup>						
Pulsed Current <sup>a</sup>	I <sub>SM</sub>			-	-	93	Α
Forward Voltage	$V_{\mathrm{SD}}$		10.3 A, V <sub>GS</sub> = 0 V	-	0.7	1.1	V

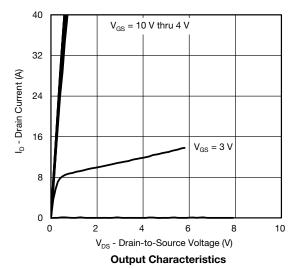
#### Notes

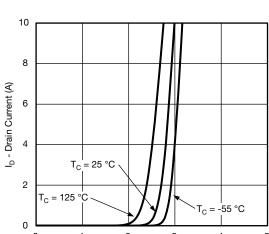
- a. Pulse test; pulse width  $\leq 300~\mu s,$  duty cycle  $\leq 2~\%.$
- b. Guaranteed by design, not subject to production testing.
- c. Independent of operating temperature.

Stresses beyond those listed under "Absolute Maximum Ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated in the operational sections of the specifications is not implied. Exposure to absolute maximum rating conditions for extended periods may affect device reliability.



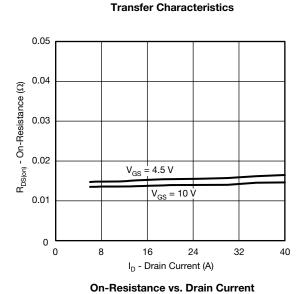
### **TYPICAL CHARACTERISTICS** (T<sub>A</sub> = 25 °C, unless otherwise noted)

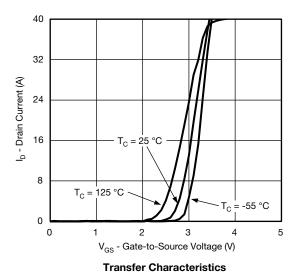


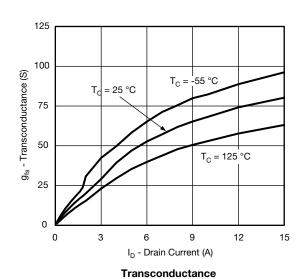


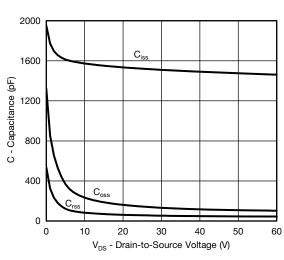
- Gate-to-Source Voltage (V)

 $V_{\text{GS}}$ 





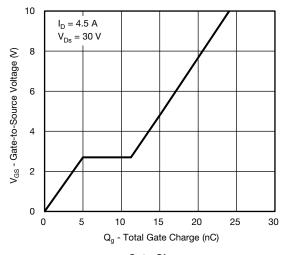




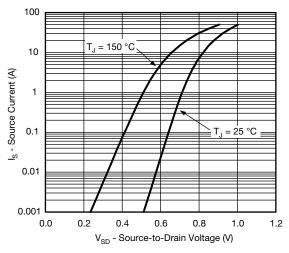
For technical questions, contact: automostechsu



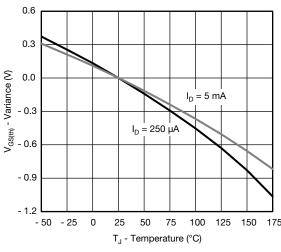
### **TYPICAL CHARACTERISTICS** (T<sub>A</sub> = 25 °C, unless otherwise noted)



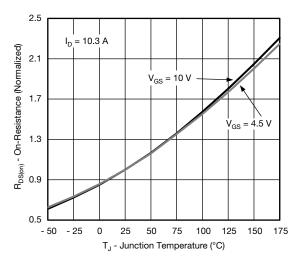
#### **Gate Charge**



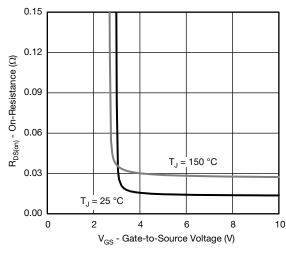
**Source Drain Diode Forward Voltage** 



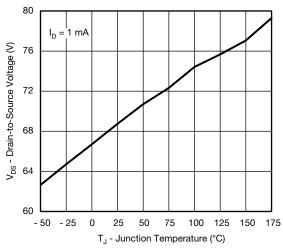
Threshold Voltage



On-Resistance vs. Junction Temperature



On-Resistance vs. Gate-to-Source Voltage

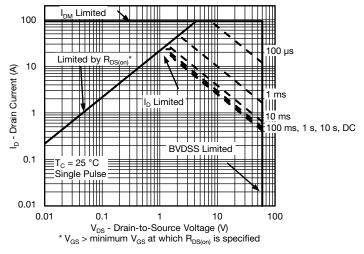


Drain Source Breakdown vs. Junction Temperature

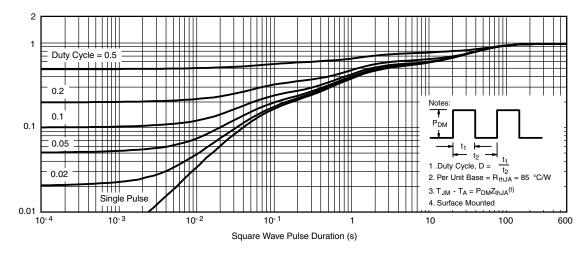


Normalized Effective Transient Thermal Impedance

## **THERMAL RATINGS** (T<sub>A</sub> = 25 °C, unless otherwise noted)

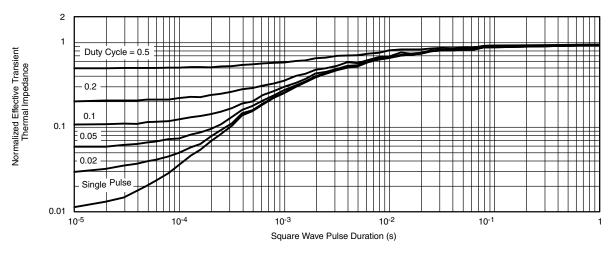


Safe Operating Area



Normalized Thermal Transient Impedance, Junction-to-Ambient

### THERMAL RATINGS (T<sub>A</sub> = 25 °C, unless otherwise noted)



Normalized Thermal Transient Impedance, Junction-to-Case

#### Note

- The characteristics shown in the two graphs
- Normalized Transient Thermal Impedance Junction-to-Ambient (25 °C)
- Normalized Transient Thermal Impedance Junction-to-Case (25 °C)

are given for general guidelines only to enable the user to get a "ball park" indication of part capabilities. The data are extracted from single pulse transient thermal impedance characteristics which are developed from empirical measurements. The latter is valid for the part mounted on printed circuit board - FR4, size 1" x 1" x 0.062", double sided with 2 oz. copper, 100 % on both sides. The part capabilities can widely vary depending on actual application parameters and operating conditions.

Vishay Siliconix maintains worldwide manufacturing capability. Products may be manufactured at one of several qualified locations. Reliability data for Silicon Technology and Package Reliability represent a composite of all qualified locations. For related documents such as package/tape drawings, part marking, and reliability data, see <a href="https://www.vishay.com/ppg262862">www.vishay.com/ppg262862</a>.



## PowerPAK® SO-8L

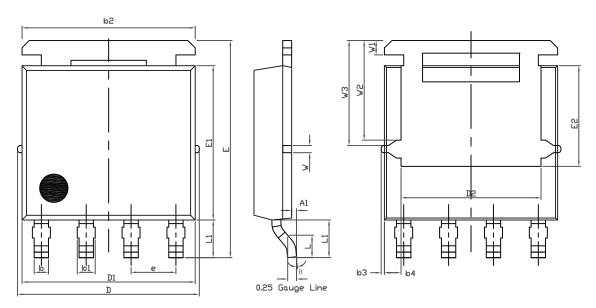
Ordering codes for the SQ rugged series power MOSFETs in the PowerPAK SO-8L package:

SQJ200EP         SQJ200EPTIGE3           SQJ202EPTIGE3         SQJ202EPTIGE3           SQJ401EP         SQJ401EPTIGE3           SQJ402EPTIGE3         SQJ402EPTIGE3           SQJ402EPTIGE3         SQJ403EEPTIGE3           SQJ403EEPTIGE3         SQJ403EEPTIGE3           SQJ403EPTIGE3         SQJ403EPTIGE3           SQJ410EP         SQJ410EPTIGE3           SQJ410EPTIGE3         SQJ412EPTIGE3           SQJ412EP         SQJ412EPTIGE3           SQJ412EPTIGE3         SQJ412EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ43EPTIGE3         SQJ43EPTIGE3           SQJ44SEP         SQJ45EPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ44SEPTIGE3         SQJ44SEPTIGE3           SQJ46GEP         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GEPTIGE3           SQJ46GEPTIGE3         SQJ46GE	DATASHEET PART NUMBER	OLD ORDERING CODE a	NEW ORDERING CODE
SOJ401EP         SOJ401EP-T1-GE3         SOJ402EP-T1-GE3           SOJ402EP         SOJ402EP-T1-GE3         SOJ402EP-T1-GE3           SOJ403EEP         SOJ403EEP-T1-GE3         SOJ403EEP-T1-GE3           SOJ403EP         -         SOJ403EP-T1-GE3           SOJ40EP         SOJ40EP-T1-GE3         SOJ40EP-T1-GE3           SOJ410EP         SOJ412EP-T1-GE3         SOJ412EP-T1-GE3           SOJ42EP-T1-GE3         SOJ42EP-T1-GE3         SOJ42EP-T1-GE3           SOJ43EP         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ43EP         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ43EP-T1-GE3         SOJ43EP-T1-GE3         SOJ43EP-T1-GE3           SOJ44GEP         -         SOJ45GP-T1-GE3           SOJ45GEP         SOJ45GP-T1-GE3         SOJ45GP-T1-GE3           SOJ46GEP         -         SOJ45GP-T1-GE3           SOJ46GEP         SOJ46GP-T1-GE3         SOJ46GP-T1-GE3           SOJ46GEP-T1-GE3         SOJ46GP-T1-GE3         SOJ46GP-T1-GE3	SQJ200EP	-	SQJ200EP-T1_GE3
SQJ402EP         SQJ403EP-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP-TI-GE3         SQJ403EP-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP         -         SQJ403EP-TI-GE3           SQJ410EP         SQJ410EP-TI-GE3         SQJ410EP-TI-GE3           SQJ412EP         SQJ412EP-TI-GE3         SQJ412EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ43EP-TI-GE3         SQJ43EP-TI-GE3           SQJ43EP         SQJ45EP-TI-GE3         SQJ43EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ45EP-TI-GE3         SQJ45EP-TI-GE3         SQJ45EP-TI-GE3           SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP         SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP-TI-GE3	SQJ202EP	-	SQJ202EP-T1_GE3
SQJ403EEP         SQJ403EPT-TI-GE3         SQJ403EP-TI-GE3           SQJ403EP         SQJ403EP-TI-GE3         SQJ405EP-TI-GE3           SQJ410EP         SQJ410EP-TI-GE3         SQJ412EP-TI-GE3           SQJ412EP         SQJ412EP-TI-GE3         SQJ412EP-TI-GE3           SQJ431EP         SQJ431EP-TI-GE3         SQJ431EP-TI-GE3           SQJ431EP         SQJ431EP-TI-GE3         SQJ431EP-TI-GE3           SQJ443EP-TI-GE3         SQJ443EP-TI-GE3         SQJ443EP-TI-GE3           SQJ443EP-TI-GE3         SQJ446EP-TI-GE3         SQJ446EP-TI-GE3           SQJ45GEP         SQJ45GEP-TI-GE3         SQJ45GEP-TI-GE3           SQJ45GEP         SQJ45GEP-TI-GE3         SQJ46GEP-TI-GE3           SQJ46GEP-TI-GE3         SQJ46GEP-TI-GE3         SQJ46	SQJ401EP	SQJ401EP-T1-GE3	SQJ401EP-T1_GE3
SQJ403EP         SQJ410EP         SQJ410EPT1-GE3         SQJ410EPT1_GE3           SQJ412EP         SQJ412EPT1-GE3         SQJ412EPT1_GE3         SQJ412EPT1_GE3           SQJ42EPP         SQJ42EPT1-GE3         SQJ42EP-T1_GE3         SQJ43EPT1_GE3           SQJ43EP         SQJ43EPT1-GE3         SQJ43EPT1_GE3         SQJ43EPT1_GE3           SQJ443EP         SQJ443EPT1-GE3         SQJ43EPT1_GE3         SQJ443EPT1_GE3           SQJ446EP         SQJ456EPT1_GE3         SQJ45EPT1_GE3         SQJ45EPT1_GE3           SQJ456EP         SQJ456EPT1_GE3         SQJ45EPT1_GE3         SQJ45EPT1_GE3           SQJ460AEP         SQJ46EPT1_GE3         SQJ46EPT1_GE3         SQJ46EPT1_GE3           SQJ461EP         SQJ46EPT1_GE3         SQJ46EPT1_GE3         SQJ46EPT1_GE3           SQJ463EP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ46SEP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ46SEP         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3         SQJ46SEPT1_GE3           SQJ48SEP         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3           SQJ48SEPT1_GE3         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3         SQJ48SEPT1_GE3           SQJ44AEPT1_GE3         SQJ48GEPT1_GE3         S	SQJ402EP	SQJ402EP-T1-GE3	SQJ402EP-T1_GE3
SQJ410EP         SQJ410EP-T1-GE3         SQJ410EP-T1-GE3           SQJ412EP         SQJ412EP-T1-GE3         SQJ412EP-T1-GE3           SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ445EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         -         SQJ446EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ456EP         -         SQJ456EP-T1-GE3           SQJ456EP         -         SQJ466EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ463EP         -         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ466EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ484EP-T1-GE3         SQJ484EP-T1-GE3         SQJ484EP-T1-GE3	SQJ403EEP	SQJ403EEP-T1-GE3	SQJ403EEP-T1_GE3
SQJ412EP         SQJ412EP-T1-GE3         SQJ422EP-T1-GE3           SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ432EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ443EP         SQJ45GEP         SQJ44GEP-T1-GE3           SQJ45GEP         SQJ45GEP-T1-GE3         SQJ45GEP-T1-GE3           SQJ45GEP         SQJ45GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GAEP         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GEP         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP         SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP         SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ48GEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ40AEP-T1-GE3         SQJ46GEP-T1-GE3         SQJ46GEP-T1-GE3           SQJ46GEP-T	SQJ403EP	-	SQJ403EP-T1_GE3
SQJ422EP         SQJ422EP-T1-GE3         SQJ422EP-T1-GE3           SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         SQJ446EP         SQJ446EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         SQJ456EP-T1-GE3         SQJ450EP-T1-GE3           SQJ460AEP         SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ840EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ840EP         SQJ460EP-T1-GE3         SQJ860EP-T1-GE3         SQJ860EP-T1-GE3           SQJ850EP         SQJ460EP-T1-GE3         SQJ860EP-T1-GE3	SQJ410EP	SQJ410EP-T1-GE3	SQJ410EP-T1_GE3
SQJ431EP         SQJ431EP-T1-GE3         SQJ431EP-T1-GE3           SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1-GE3           SQJ446EP         -         SQJ456EP-T1-GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ456EP-T1-GE3           SQJ461EP         -         SQJ461EP-T1-GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ469EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ468EP         SQJ466EP-T1-GE3         SQJ469EP-T1-GE3           SQJ460AEP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ460EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ46EP-T1-GE3         SQJ460EP-T1-GE3         SQJ460EP-T1-GE3           SQJ46EP-T1-GE3         SQJ460EP-T1-GE3         SQ	SQJ412EP	SQJ412EP-T1-GE3	SQJ412EP-T1_GE3
SQJ443EP         SQJ443EP-T1-GE3         SQJ443EP-T1_GE3           SQJ446EP         -         SQJ46EP-T1_GE3           SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1_GE3           SQJ459EP         -         SQJ456EP-T1_GE3           SQJ460AEP         -         SQJ460EP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ469EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ468EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ468EP-T1_GE3           SQJ468EP         SQJ468EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP         SQJ464EP-T1-GE3         SQJ464EP-T1_GE3           SQJ464EP-T1_GE3         SQJ464EP-T1_GE3         S	SQJ422EP	SQJ422EP-T1-GE3	SQJ422EP-T1_GE3
SQJ446EP         SQJ456EP         SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1-GE3           SQJ459EP         -         SQJ459EP-T1_GE3         SQJ460AEP-T1_GE3           SQJ461EP         -         SQJ461EP-T1_GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1_GE3         SQJ465EP-T1_GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3         SQJ469EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3         SQJ469EP-T1_GE3           SQJ488EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ486EP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ460EP         SQJ480EP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ440EP         SQJ48AEP-T1-GE3         SQJ480EP-T1_GE3         SQJ480EP-T1_GE3           SQJ440EP         SQJ444EP-T1-GE3         SQJ480EP-T1_GE3         SQJ485EP-T1_GE3           SQJ485AEP         SQJ485AEP-T1-GE3         SQJ485EP-T1_GE3         SQJ485EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ4910AEP         SQJ490EP-T1-GE3         SQJ490EP-T1_GE3         SQJ490EP-T1_GE3           SQJ4910AEP<	SQJ431EP	SQJ431EP-T1-GE3	SQJ431EP-T1_GE3
SQJ456EP         SQJ456EP-T1-GE3         SQJ456EP-T1_GE3           SQJ459EP         -         SQJ459EP-T1_GE3           SQJ460AEP         -         SQJ460AEP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ469EP-T1_GE3           SQJ466EP         SQJ486EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ840EP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ961EP         SQJ961EP-T1-GE3 </td <td>SQJ443EP</td> <td>SQJ443EP-T1-GE3</td> <td>SQJ443EP-T1_GE3</td>	SQJ443EP	SQJ443EP-T1-GE3	SQJ443EP-T1_GE3
SQJ459EP         -         SQJ459EP-T1_GE3           SQJ460AEP         -         SQJ460AEP-T1_GE3           SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1_GE3         SQJ463EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ488EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ800EP-T1_GE3           SQJ840EP-T1_GE3         SQJ840EP-T1_GE3         SQJ840EP-T1_GE3           SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1_GE3         SQJ850EP-T1_GE3           SQJ86EP         SQJ86EP-T1-GE3         SQJ86EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ95EP	SQJ446EP	-	SQJ446EP-T1_GE3
SQJ460AEP         -         SQJ461EP         SQJ461EP-T1_GE3         SQJ461EP-T1_GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1_GE3         SQJ465EP-T1_GE3         SQJ465EP-T1_GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3         SQJ466EP-T1_GE3         SQJ466EP-T1_GE3           SQJ466EP         SQJ466EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3         SQJ486EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ480EP-T1_GE3         SQJ840EP-T1_GE3         SQJ840EP-T1_GE3           SQJ844EP         SQJ844EP-T1-GE3         SQJ840EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3         SQJ858AEP-T1_GE3         SQJ858AEP-T1_GE3           SQJ850EP         SQJ86EP-T1-GE3         SQJ96EP-T1_GE3         SQJ910AEP-T1_GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3         SQJ942EP-T1_GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3	SQJ456EP	SQJ456EP-T1-GE3	SQJ456EP-T1_GE3
SQJ461EP         SQJ461EP-T1-GE3         SQJ461EP-T1-GE3           SQJ463EP         SQJ463EP-T1-GE3         SQJ465EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ480EP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP-T1-GE3         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ950EP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ940EP-T1-GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ942EP-T1-GE3           SQJ951EP <td>SQJ459EP</td> <td>-</td> <td>SQJ459EP-T1_GE3</td>	SQJ459EP	-	SQJ459EP-T1_GE3
SQJ463EP         SQJ463EP-T1-GE3         SQJ463EP-T1-GE3           SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1-GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1-GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1-GE3           SQJ486EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1-GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1-GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1-GE3           SQJ844AEP         SQJ840EP-T1-GE3         SQJ850EP-T1-GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1-GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1-GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1-GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ912AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1-GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1-GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1-GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1-GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1-GE3           SQJ960EP <td>SQJ460AEP</td> <td>-</td> <td>SQJ460AEP-T1_GE3</td>	SQJ460AEP	-	SQJ460AEP-T1_GE3
SQJ465EP         SQJ465EP-T1-GE3         SQJ465EP-T1_GE3           SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP-T1-GE3         SQJ960EP-T1_GE3         SQJ960EP-T1_GE3           SQJ	SQJ461EP	SQJ461EP-T1-GE3	SQJ461EP-T1_GE3
SQJ469EP         SQJ469EP-T1-GE3         SQJ469EP-T1_GE3           SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ940EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ966EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ966EP         SQJ966EP-T1-GE3         SQJ966EP-T1_GE3           SQJ968EP <td>SQJ463EP</td> <td>SQJ463EP-T1-GE3</td> <td>SQJ463EP-T1_GE3</td>	SQJ463EP	SQJ463EP-T1-GE3	SQJ463EP-T1_GE3
SQJ486EP         SQJ486EP-T1-GE3         SQJ486EP-T1_GE3           SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ865EP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ942EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ955EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ960EP-T1_GE3         SQJ960EP-T1_GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ966EP-T1-GE3         SQJ966EP-T1_GE3           SQJ966EP-T1_GE3 <td>SQJ465EP</td> <td>SQJ465EP-T1-GE3</td> <td>SQJ465EP-T1_GE3</td>	SQJ465EP	SQJ465EP-T1-GE3	SQJ465EP-T1_GE3
SQJ488EP         SQJ488EP-T1-GE3         SQJ488EP-T1_GE3           SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ850EP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ856EP-T1_GE3           SQJ886EP         SQJ886EP-T1-GE3         SQJ886EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ956EP-T1_GE3           SQJ956EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ960EP         SQJ963EP-T1-GE3         SQJ963EP-T1_GE3           SQJ963EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3	SQJ469EP	SQJ469EP-T1-GE3	SQJ469EP-T1_GE3
SQJ500AEP         SQJ500AEP-T1-GE3         SQJ500AEP-T1_GE3           SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ866EP         SQJ866EP-T1-GE3         SQJ866EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ940EP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ956EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ960EP-T1-GE3         SQJ963EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3	SQJ486EP	SQJ486EP-T1-GE3	SQJ486EP-T1_GE3
SQJ840EP         SQJ840EP-T1-GE3         SQJ840EP-T1_GE3           SQJ844AEP         SQJ844AEP-T1-GE3         SQJ844AEP-T1_GE3           SQJ850EP         SQJ850EP-T1-GE3         SQJ850EP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ858AEP-T1_GE3           SQJ858AEP         SQJ858AEP-T1-GE3         SQJ886EP-T1_GE3           SQJ910AEP         SQJ910AEP-T1-GE3         SQJ910AEP-T1_GE3           SQJ912AEP         SQJ912AEP-T1-GE3         SQJ912AEP-T1_GE3           SQJ940EP         SQJ940EP-T1-GE3         SQJ940EP-T1_GE3           SQJ942EP         SQJ942EP-T1-GE3         SQJ942EP-T1_GE3           SQJ951EP         SQJ951EP-T1-GE3         SQJ951EP-T1_GE3           SQJ952EP         -         SQJ955EP-T1_GE3           SQJ956EP         SQJ956EP-T1-GE3         SQJ956EP-T1_GE3           SQJ960EP         SQJ960EP-T1-GE3         SQJ960EP-T1_GE3           SQJ963EP         SQJ963EP-T1-GE3         SQJ963EP-T1_GE3           SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ980AEP         SQJ980AEP-T1-GE3         SQJ980AEP-T1_GE3	SQJ488EP	SQJ488EP-T1-GE3	SQJ488EP-T1_GE3
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SQJ968EP         SQJ968EP-T1-GE3         SQJ968EP-T1_GE3           SQJ980AEP         SQJ980AEP-T1-GE3         SQJ980AEP-T1_GE3	SQJ960EP	SQJ960EP-T1-GE3	SQJ960EP-T1_GE3
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	SQJ968EP	SQJ968EP-T1-GE3	SQJ968EP-T1_GE3
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	SQJ992EP	SQJ992EP-T1-GE3	SQJ992EP-T1_GE3

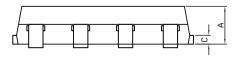
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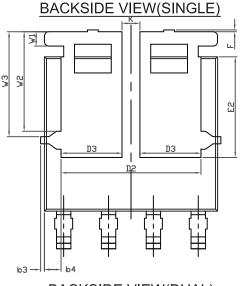
a. Old ordering code is obsolete and no longer valid for new orders

# PowerPAK® SO-8L Case Outline for all Parts



**TOPSIDE VIEW** 





BACKSIDE VIEW(DUAL)



DIM		MILLIMETERS		INCHES			
DIM.	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.	
А	1.00	1.07	1.14	0.039	0.042	0.045	
A1	0.00	-	0.127	0.00	-	0.005	
b	0.33	0.41	0.48	0.013	0.016	0.019	
b1	0.44	0.51	0.58	0.017	0.020	0.023	
b2	4.80	4.90	5.00	0.189	0.193	0.197	
b3		0.094			0.004		
b4		0.47			0.019		
С	0.20	0.25	0.30	0.008	0.010	0.012	
D	5.00	5.13	5.25	0.197	0.202	0.207	
D1	4.80	4.90	5.00	0.189	0.193	0.197	
D2	3.86	3.96	4.06	0.152	0.156	0.160	
D3	1.63	1.73	1.83	0.064	0.068	0.072	
е		1.27 BSC			0.050 BSC		
Е	6.05	6.15	6.25	0.238	0.242	0.246	
E1	4.27	4.37	4.47	0.168	0.172	0.176	
E2	2.75	2.85	2.95	0.108	0.112	0.116	
F	-	-	0.15	-	-	0.006	
L	0.62	0.72	0.82	0.024	0.028	0.032	
L1	0.92	1.07	1.22	0.036	0.042	0.048	
K		0.51			0.020		
W	0.23		0.009				
W1	0.41		0.016				
W2		2.82		0.111			
W3		2.96			0.117		
q	0°	-	10°	0°	-	10°	

ECN: C15-1203-Rev. A, 07-Sep-15

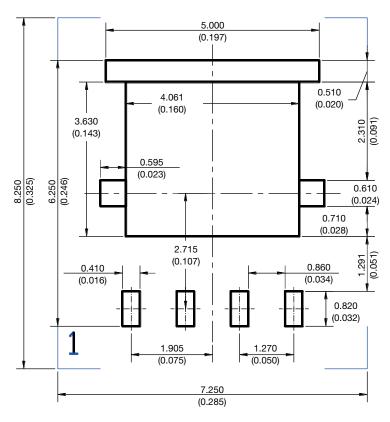
DWG: 6044

#### Note

· Millimeters will gover



#### RECOMMENDED MINIMUM PAD FOR PowerPAK® SO-8L SINGLE



Recommended Minimum Pads Dimensions in mm (inches)



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Revision: 02-Oct-12 Document Number: 91000

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