## HSFL EPS v0.3.1 BOM



CURL CLIS  10.15		VALUE	PACKAGE	MAN PN	DIGIKEY PN	MOUSER PN	PRICE	NO. REQUIRED	TOTAL
CSS_CISS_CISS_CISS_CISS_CISS_CISS_CISS_		1uE	805	C0805C105K3RACTU	399-8004-1-ND		\$0.10	17	\$1.70
CHE CHE   1949							*****		\$1.54
CEL CISC   COS   COP   POP   COS   CONSIGNATION   COS   CONSIGNATION   COS							_		
C19. C20			-				_		\$9.72
CZ CASE C. CORP. C. CORP.   C.									\$0.00
Care	C2, C46, C51, C56, C58	4.7pF	805	VJ0805A4R7BXXCW1BC	720-1721-1-ND		\$0.25	5	\$1.25
CZP. CZP. CZP. CZP. CZP. CZP. CZP. CZP.								1	\$0.00
Care	C26	100pF	805	885012207054	732-8046-1-ND		\$0.10	1	\$0.10
CSR_COS	C27, C29, C30	DNP	805					3	\$0.00
CEPT	C3	0.47uF	805	CC0805KKX7R8BB474	311-1364-1-ND		\$0.22	1	\$0.22
CHA (CR) (CR) (CR) (CR) (CR) (CR) (CR) (CR)	C35, C36	DNP	1210					2	\$0.00
Color   Colo	C37	100uF	2917	T521D107M025ATE050	399-T521D107M025ATE050CT-ND		\$4.68	1	\$4.68
CS. CF. CE. CF. CF. CF. CF. CA. CO. CAC. CF. CS. CS. CR. CR. CO. CR. CR. CR. CR. CR. CR. CR. CR. CR. CR	C44, C49, C54	10pF	805	C0805C100K5RAC7800	399-17612-1-ND		\$0.25	3	\$0.75
CAB, CAT, CAS, CSC, CSC, CSC, CSC, CSC, CSC, CSC	C45, C50, C55	47uF	1210	LMK325B7476KM-PR	587-5921-1-ND		\$0.88	3	\$2.64
CSB   CSB   10	C5, C7, C8, C11, C12, C31, C32, C40,	0.1uE	805	C0805C104M3PACTU	399-8000-1-ND		\$0.10	16	\$1.60
Color   Colo									
03. C10. QC. 1 C2C, C2C, C34, C38, C39								<del> </del>	\$0.10
0.083									\$2.31
D1 D2 D3 D4 D5 D6 D5 D7 D5 D5 D7 D5 D5 D7 D5	C63							<u> </u>	\$0.15
## PB1 FB2	D1, D2, D3, D4, D5, D6, D7, D8, D9,								
PRESENCE   330	D10, D11								\$4.84
H. H.   PCTO4 WCONN									\$0.46
13, 12, 13, 14, 15, 16   DNP   2mm				MPZ2012S331AT000	445-1569-1-ND		\$0.11		\$0.11
L1 4.24H WE-HCI 1050223 7-4431450 732-LT01-LND									
1.5									\$0.00
RESCRIPTION   CRCW20100007EF   St.10.00CTAND   S0.28   1   S0.	L1							<u> </u>	¥
14.15.16   2.244   XPL-40004/2MED   XPL-4004/2MED   XPL-4004	L2								\$3.56
M. M					541-0.0WCT-ND				
MS. MH. MT					DOT/08/1891 000 171/1 107 1/D	994-XFL4020-222MEC	_		
R1 0.004 RESC2012X70N KRL2012E-M-R004-FT5 408-1594-LND								_	
R10   169K   805									\$2.82
R12, R13, R14, R15, R16, R17, R18, R16, R17, R18, R19, R20									
R23, R24		165K	805	1-21/6094-5	ATTU/56CT-ND		\$0.62	<del>  '</del>	\$0.62
R2, R3, R27	R23, R24	10	805	PCAN0805E10R0BST5	764-1236-1-ND		\$1.37	8	\$10.96
R21, R22, R26, R26, R26, R26, R29, R80  DNP  805  RC0805FR-072KL  RC0805FR-072KL  RC0805FR-072KL  RS1, R32, R33, R34, R41, R43, R47, R49, RS3, R66, R86, R86)  RC0805FR-071ML  RS11-1,00KCRCT-ND  S0.10  S0.10  S0.10  RS1, R32, R33, R34, R41, R43, R47, R49, RS3, R66, R86, R86)  RS3, R64, R86, R86)  RS3, R64, R86, R86)  RS3, R64, R86, R86)  RS3, R84, R84, R84, R84, R84, R84, R84, R84	R18, R19, R20	0	805	RMCF0805ZT0R00	RMCF0805ZT0R00CT-ND		\$0.10	3	\$0.30
R80, R86, R88 R80, R81, R82, R84, R81, R43, R47, R49, R83, R86, R88, R80 R83, R86, R88, R80 R80, R84, R81 R80, R84, R80 R80, R80, R84, R80 R84, R80, R85, R81 R84, R80 R84, R80, R85, R81 R84, R80 R85, R81, R86 R80, R80, R80, R80, R80, R80, R80, R80,	R2, R3, R27	0.015	RESC2012X70N	KRL2012E-M-R015-F-T5	408-1601-1-ND		\$0.63		\$1.89
R31, R32, R33, R34, R41, R43, R47, R49, R35, R56, R58, R60	R21, R22, R25, R26, R28, R29, R60	DNP	805					7	\$0.00
R83, R86, R80   1M   805   RC0805FR-071ML   31.1.1.00MCRGT-ND   \$0.10   12   \$1.1.825   \$0.0   1206   HCL12062TORO HCL1206TORO HCL12062TORO HCL1206TORO HCL1206		2K	805	RC0805FR-072KL	311-2.00KCRCT-ND		\$0.10	3	\$0.30
R35		1M	805	RC0805ER-071MI	311-1 00MCRCT-ND		\$0.10	12	\$1.20
R39, R45, R51									\$0.62
R40, R48	R39, R45, R51	18.2K							
R40, R48	R4	DNP	RESC2012X70N					1	\$0.00
R44, R50, R55, R61         191K         805         RG2012P-1913-B-T5         RG20P191KBCT-ND         \$0.38         4         \$1.           R6, R11, R56         100K         805         RG2012P-104-W-T1         RG20P100KWCT-ND         \$0.993         3         \$2.           R54         300K         805         RG2012P-304-B-T5         RG20P300KBCT-ND         \$0.38         1         \$0.0           R55         62K         805         RMCF0805FT62K0         RMCF0805FT62K0CT-ND         \$0.10         1         \$0.           R59         90K         805         PTN0805E9002BST1         764-1550-1-ND         \$0.71         1         \$0.           R6         27K         805         ERA-6ARW273V         P27KBSCT-ND         \$0.78         1         \$0.           R7         75K         805         RR-6ARW273V         P27KBSCT-ND         \$0.38         1         \$0.           R8, R37, R38, R57         10K         805         ERJ-P06F1002V         P16059CT-ND         \$0.17         4         \$0.           R9         374K         805         42176094-8         A110739CT-ND         \$0.66         1         \$0.           R59         127K         805         FR-6ABEB1273V         P127KDACT-N	R40, R48	182K		RC0805FR-07182KL	311-182KCRCT-ND		\$0.10	2	\$0.20
RS, R11, R56         100K         805         RG2012N-104-W-T1         RG20N100KWCT-ND         \$0.93         3         \$2.           R54         300K         805         RG2012P-304-B-T5         RG20P300KBCT-ND         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.70         1         \$0.70         \$0.71         1         \$0.70         \$0.70         1         \$0.70         \$0.70         \$0.71         1         \$0.70         \$0.70         \$0.71         1         \$0.70	R42, R46, R52	49.9K	805	ERA-6AEB4992V			\$0.33	3	\$0.99
R54         300K         805         RG2012P-304-B-T5         RG20P300KBCT-ND         \$0.38         1         \$0.           R55         62K         805         RMCF0805FT62KQ         RMCF0805FT62KQCT-ND         \$0.10         1         \$0.           R69         90K         805         PTN80805F02KBT1         754-1550-1-ND         \$0.71         1         \$0.           R6         27K         805         ERA-6RW273V         P27KBSCT-ND         \$0.78         1         \$0.           R7         75K         805         RG2012P-753-B-75         RG20P75.0KBCT-ND         \$0.38         1         \$0.           R8, R37, R38, R57         10K         805         ERJ-P06F1002V         P16059CT-ND         \$0.17         4         \$0.           R9         374K         805         4-2176094-8         A110790CT-ND         \$0.66         1         \$0.           R89         127K         805         ERA-6AEB1273V         P127KDACT-ND         \$0.33         1         \$0.           R99         127K         805         ERA-6AEB1273V         P127KDACT-ND         \$0.33         1         \$0.           U1         LT8390IFE         S065P640X120-29N         LT8390IFEBPBF-ND         \$12.75         <	R44, R50, R55, R61	191K	805	RG2012P-1913-B-T5	RG20P191KBCT-ND		\$0.38	4	\$1.52
R85         62K         805         RMCF0805FT62K0         RMCF0805FT62K0CT-ND         \$0.10         1         \$0.           R89         90K         805         PTN0805E9002BST1         764-1550-1-ND         \$0.71         1         \$0.           R6         27K         805         ERA-6ARW273V         P27KBSCT-ND         \$0.78         1         \$0.           R7         75K         805         RG2012P-753-B-T5         RG20P750KBCT-ND         \$0.38         1         \$0.           R8, R37, R38, R57         10K         805         ERJ-P06F1002V         P16059CT-ND         \$0.17         4         \$0.           R9         374K         805         4-2176094-8         A110790CT-ND         \$0.66         1         \$0.           R99         127K         805         ERA-6AEB1273V         P127KDACT-ND         \$0.33         1         \$0.           T61         ARDUINO NANO         ARDUINO NANO         NanoEvery         \$10.90         1         \$10.           U1         LT8390IFE         SOP65P640X120-29N         LT8390IFE#PBF-ND         \$12.75         1         \$12.           U2         TCA9511A         VSSOP-8         TCA951ADGKR         296-TCA951ADGKRCT-ND         \$1.79         1<	R5, R11, R56	100K	805	RG2012N-104-W-T1	RG20N100KWCT-ND		\$0.93	3	\$2.79
RS9         90K         805         PTN0805E9002BST1         764-1550-1-ND         \$0.71         1         \$0.           R6         27K         805         ERA-6ARW273V         P27KBSCT-ND         \$0.78         1         \$0.           R7         75K         805         RG2012P-753-B-T5         RG20P75.0KBCT-ND         \$0.38         1         \$0.           R8, R37, R38, R57         10K         805         ERJ-P06F1002V         P16059CT-ND         \$0.17         4         \$0.           R9         374K         805         4.2176094-8         A110790CT-ND         \$0.66         1         \$0.           R69         127K         805         ERA-6AEB1273V         P127KDACT-ND         \$0.33         1         \$0.           U1         LT8390IFE         S0F69640X120-29N         LT8390IFE#PBF         LT8390IFE#PBF-ND         \$	R54			RG2012P-304-B-T5	RG20P300KBCT-ND		\$0.38		\$0.38
R6         27K         805         ERA-6ARW273V         P27KBSCT-ND         \$0.78         1         \$0.78           R7         75K         805         RG2012P-753-B-15         RG2012P-750-RCT-ND         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.38         1         \$0.88         1         \$0.77         4         \$0.89         \$0.17         4         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.66         1         \$0.67         \$0.66         1         \$0.66         1         \$0.67         \$0.66         1         \$0.67 <t< td=""><td>R55</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.10</td></t<>	R55								\$0.10
R7 75K 805 RG2012P-753-B-T5 RG20P75.0KBCT-ND 80.38 1 \$0.  R8, R37, R38, R57 10K 805 ERJ-P06F1002V P16058GT-ND \$0.17 4 \$0.  R89 374K 805 4-2176094-8 A110790CT-ND \$0.66 1 \$0.  R59 127K 805 ERA-6AEB1273V P127KDACT-ND \$0.33 1 \$0.  TB1 ARDUINO NANO ARDUINO NANO NanoEvery \$10.90 1 \$10.  U1 LT8390IFE SOP65P640X120-29N LT8390IFE#PBF LT8390IFE#PBF-ND \$12.75 1 \$12.  U2 TCA9511A VSSOP-8 TCA9511AQKRCT-ND \$1.92 1 \$1.  U3, U4, U5 LT8609 MSOP-10 LT8609EMSE#PBF LT8609EMSE#PBF-ND \$7.55 3 \$22.  U6, U7, U8, U9, U10 LTC1477 SO8 LTC1477CS#PBF LT6147TCS#PBF LT6147TCS#PBF-ND \$8.34 5 \$41.  U11 ADT7311 SOICS ADT7311WTR2 ADT7311WTR2-ND \$8.84 1 \$4.  U12 MAX16998 TSSOP-8 MX16998AAUA+ MX16998AAUA+ND \$2.39 1 \$22.  U13 TPS27082L SOT-23-Thin-6 TPS27081ADDCR 266-34970-1ND \$0.077 1 \$0.									\$0.71
R8, R37, R38, R57     10K     805     ERJ-P06F1002V     P16059CT-ND     \$0.17     4     \$0.       R9     374K     805     4-2176094-8     A110790CT-ND     \$0.66     1     \$0.       R59     127K     805     ERA-6AEB1273V     P127KDACT-ND     \$0.33     1     \$0.       TB1     ARDUINO NANO     ARDUINO NANO     NanoEvery     \$10.90     1     \$10.       U1     LT8390IFE     SOP65P640X120-29N     LT8390IFE#PBF     LT8390IFE#PBF-ND     \$12.75     1     \$12.       U2     TCA9511A     VSSOP-8     TCA9511ADGKR     296-TCA9511ADGKRCT-ND     \$1.92     1     \$1.       U5, U4, U5     LT8609     MSOP-10     LT8609EMSE#PBF-ND     \$7.55     3     \$22.       U6, U7, U8, U9, U10     LTC1477     SO8     LTC1477CS#PBF     LTC1477CS#PBF     LTC1477CS#PBF-ND     \$8.34     5     \$41.       U11     ADT7311     SOIC8     ADT7311WTR2     ADT7311WTR2-ND     \$4.82     1     \$4.       U12     MAX16998     TSSOP-8     MAX16998AAUA+     MAX16998AAUA+ND     \$2.39     1     \$2.       U13     TP527082L     SOT-23-Thin-6     TP527081ADDCR     26.54970-1-ND     \$0.77     1     \$0.77								•	
R9 374K 805 4-2176094-8 A110790CT-ND \$0.66 1 \$0. R59 127K 805 ERA-GACEB1273V P127KDACT-ND \$0.33 1 \$0. TB1 ARDUINO NANO ARDUINO NANO NanoEvery \$10.90 1 \$10.90 U1 LT8390IFE SOP65P640X120-29N LT8390IFE#PBF LT8390IFE#PBF-ND \$12.75 1 \$12. U2 TCA9511A VSSOP-8 TCA9511ADCKR 296-TCA9511ADCKRCT-ND \$1.92 1 \$1. U3, U4, U5 LT8609 MSOP-10 LT8609EMSE#PBF-LT8609EMSE#PBF-ND \$7.55 3 \$22. U6, U7, U8, U9, U10 LTC1477 SOB LTC1477CSB#PBF LTC1477CSB#PBF-ND \$8.34 5 \$41. U11 ADT7311 SOIC8 ADT7311WTR2 ADT7311WTR2-ND \$4.82 1 \$4. U12 MAX16998 TSSOP-8 MAX16998AAUA+ND \$2.39 1 \$2.39 U13 TPS27082L SOT-23-Thin-6 TPS27081ADDCR 265-64970-1ND \$0.077 1 \$0.									\$0.38
RE69         127K         805         ERA-6AEB1273V         P127KDACT-ND         \$0.33         1         \$0.           TB1         ARDUINO_NANO         ARDUINO_NANO         NanoEvery         \$10.90         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         \$1.92         \$1.92         \$1.92	R8, R37, R38, R57								\$0.68
TB1	R9								\$0.66
U1         LT8390IFE         SOP65P640X120-29N         LT8390IFE#PBF         LT8390IFE#PBF-ND         \$12.75         1         \$12.           U2         TCA9511A         VSSOP-8         TCA9511ADCKR         298-TCA9511ADCKRCT-ND         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$1.92         1         \$2.20         \$1.92         1         \$2.20         \$2		12/10			P127KDACT-ND			t	
U2         TCA9511A         VSSOP-8         TCA9511ADGKR         296-TCA9511ADGKRCT-ND         \$1.92         1         \$1.           U3, U4, U5         LT8609         MSOP-10         LT8609EMSE#PBF         LT8609EMSE#PBF-ND         \$7.55         3         \$22.           U6, U7, U8, U9, U10         LTC1477         SO8         LTC1477CS8#PBF         LTC1477CS8#PBF-ND         \$8.34         5         \$41.           U11         ADT7311         SOIC8         ADT7311WTRZ         ADT7311WTRZ-ND         \$4.82         1         \$4.           U12         MAX16998         TSSOP-8         MAX16998AAUA+ND         \$2.39         1         \$2.           U13         TPS27082L         SOT-23-Thin-6         TPS27081ADDCR         296-34970-1-ND         \$0.77         1         \$0.					L TORONIE (IDDE NO			· ·	\$10.90
U3, U4, U5         LT8609         MSOP-10         LT8609EMSE#PBF         LT8609EMSE#PBF-ND         \$7.55         3         \$22.           U6, U7, U8, U9, U10         LTC1477         SO8         LTC1477CS8#PBF         LTC1477CS8#PBF-ND         \$8.34         5         \$41.           U11         ADT7311         SOIC8         ADT7311WTRZ         ADT7311WTRZND         \$4.82         1         \$4.           U12         MAX16998         TSSOP-8         MAX16998AAUA+         MAX16998AAUA+ND         \$2.39         1         \$2.           U13         TPS27082L         SOT-23-Thin-6         TPS27081ADDCR         296-34970-1-ND         \$0.77         1         \$0.									
U6, U7, U8, U9, U10         LTC1477         SO8         LTC1477CS8#PBF         LTC1477CS8#PBF-ND         \$8.34         5         \$41.           U11         ADT7311         SOIC8         ADT7311WTRZ         ADT311WTRZ-ND         \$4.82         1         \$4.           U12         MAX16998         TSSOP-8         MAX16998AAUA+         MAX16998AAUA+ND         \$2.39         1         \$2.           U13         TPS27082L         SOT-23-Thin-6         TPS27081ADDCR         286.34970-1-ND         \$0.77         1         \$0.							_		\$1.92
U11         ADT7311         SOIC8         ADT7311WTRZ         ADT7311WTRZ-ND         \$4.82         1         \$4.           U12         MAX16998         TSSOP-8         MAX16998AAUA+         MAX16998AAUA+ND         \$2.39         1         \$2.           U13         TPS27082L         SOT-23-Thin-6         TPS27081ADDCR         296-34970-1-ND         \$0.77         1         \$0.					E TOOODE IN OLE IT DE TAD				
U12         MAX16998         TSSOP-8         MAX16998AAUA+         MAX16998AAUA+ ND         \$2.39         1         \$2.           U13         TPS27082L         SOT-23-Thin-6         TPS27081ADDCR         296-34970-1-ND         \$0.77         1         \$0.								<u> </u>	\$41.70
U13 TPS27082L SOT-23-Thin-6 <u>TPS27081ADDCR</u> 296-34970-1-ND \$0.77 1 \$0.									\$4.82
									\$2.39 \$0.77
	010	11 OZ100ZL	001-20-11111-0	11 OZTOOTADDON	ZOU-D-TO-T-IND		φυ.//	Grand Total	\$178.28