# THM LOW PROFILE LITHIUM & ALKALINE CELL HOLDERS

"1/3N" · "AAA" · "1/2AA · "CR2" · "AA" · "2/3A"

THM LOW PROFILE

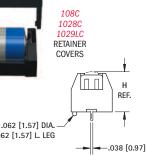
### FEATURES

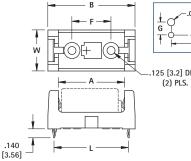
- Snap—In PC contact holds firmly in position for wave soldering
- · Tin Nickel Plated contacts for excellent solderability and durability
- Polarity clearly marked for orientation
- · Snap-on retainer cover (optional) retains battery securely to withstand shock and vibration. Helps protect against shorting. Tamper-proof.

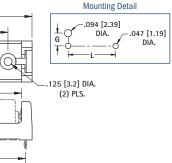
## **APPLICATIONS**

- Computer memory, power backup systems.
- Telecommunications
- · Residential, industrial and commercial security systems
- PLC and industrial controls









#### SPECIFICATIONS

Base/Retainer Cover: PBT, UL 94V-0 Contacts: .012 (.30) Stainless Steel, Tin-Nickel Plate X .062 [1.57] L. LEG Operating Temp Range: -60°F to +290°F (-50°C to +145°C)

HOLDER	COVER										
CAT. NO.	CAT. NO.	L	w	H (Ref. Dim)	A	В	F	G	CELL Size	PACKAGING SPECS	BATTERY CROSS REFERENCE
108	108C	1.160 (29.5)	.640 (16.3)	.633 (16.1)	1.030 (26.2)	1.360 (34.5)	.610 (15.5)	.279 (7.1)	"1/2 AA" "CR2"	50 pieces per tray	Energizer 544, CR2, Duracell PX28L, CR2, Kodak K28A & KS28,CR2, Panasonic CR14250, CR2, Saft LCP3, Maxell 4LR44, CR2,Sanyo CR14250SE, CR2
1028	1024C 1028C	2.160 (54.9)	.640 (16.3)	.633 (16.1)	2.040 (51.8)	2.360 (59.9)	1.610 (40.9)	.279 (7.1)	"AA"	50 pieces per tray	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran
1029	1029C 1029LC	1.500 (38.1)	.720 (18.3)	.712 (18.1)	1.375 (34.9)	1.700 (43.2)	.950 (24.1)	.320 (8.1)	"2/3 A"	50 pieces per tray	Duracell DL2/3A, Kodak K123L, Panasonic CR123A, Saft 450SC & VR0450, Sanyo CR17335SE



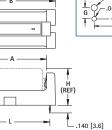
.038 [0.97]-

DWG.2

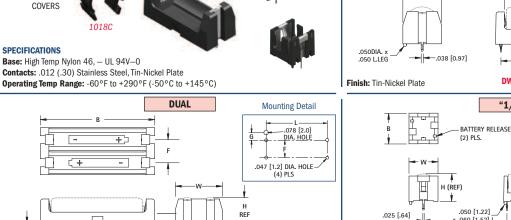


SINGLE

+

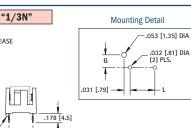






Ā

.050 [1.3] DIA. x .050 [1.3]L. LEG



Contacts: .012 (.30) Phosphor Bronze, Tin Plate

(2) PLS

## DWG. 3

x .060 [1.52] L

FINISN:	1111-IN	ICKEI	Plate	

HOLDER	COVER											
CAT. NO.	CAT. No.	DWG NO.	L	w	H (Ref. Dim)	В	F	G	CELL Size	PACKAGING SPECS	BATTERY CROSS REFERENCE	
1021	1020C	1	1.933 (49.1)	.500 (12.7)	.445 (11.3)	2.140 (54.4)	-	.209 (5.3)	"AAA"	50 pieces per tray	All Major Manufacturers	
1023	1022C	2	1.933 (49.1)	.875 (22.2)	.445 (11.3)	2.140 (54.4)	.430 (10.9)	.182 (4.6)	"AAA"	25 pieces per tray	Ali Majul Maliulactuleis	
1015	1024C		2.145 (54.5)	. ()	.603 (15.3)	2.359 (59.9)		.265 (6.7)	"AA"	50 pieces per tray	All Major Manufacturers	
1013	1012C	2	2.145 (54.5)	1.180 (30.0)	.603 (15.3)	2.359 (59.9)	.568 (14.4)	.265 (6.7)	"AA"	25 pieces per tray	All Wajul Wallulacturers	
1017	1024C	1	1.156 (29.4)	.612 (15.5)	.603 (15.3)	1.360 (34.5)	-	.265 (6.7)	"1/2 AA"	50 pieces per tray	Energizer 544, Duracell PX28L, Kodak K28A & KS28, Saft LCP3, Maxell 4LR44, Sanyo CR14250SE	
1019	1018C	1	1.487 (37.8)	.720 (18.3)	.682 (17.3)	1.690 (42.9)	-	.319 (8.1)	"2/3 A"	50 pieces per tray	Duracell DL2/3A, Kodak K123L, Saft 450SC & VR0450,	
1099	—	2	1.487 (37.8)	1.440 (36.6)	.682 (17.3)	1.690 (42.9)	.720 (18.3)	.319 (8.1)	"2/3 A"	25 pieces per tray	Sanyo CR17335SE	
<b>503</b> *	—	3	.450 (11.4)	.540 (13.7)	.506 (12.9)	.570 (14.5)	-	.240 (6.1)	"1/3 N"	300 pieces per tray	Duracell DL1/3N, Sanyo K58L, Energizer CR1/3N	
*Cat. No. 50	)3 Gold Pla	te Flash										



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# SMT LOW PROFILE LITHIUM & ALKALINE CELL HOLDERS

#### FEATURES

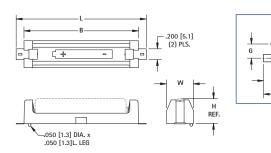
- Low profile surface mount holders for Cylindrical Lithium and Alkaline batteries
- UL 94V-0 Heat resistant Nylon Housings well suited for reflow soldering
- Designed for vacuum pick and place assembly
   Gold-plated Phosphor Bronze contacts assure low contact resistance and are readily solderable
- Ideal for both lead free solder and traditional solder process
- · Battery installation and removal does not require tools
- Securely holds battery in place
- Polarity clearly marked for orientation
- Operating temp range:
- -60°F to +290°F (-50°C to +145°C)

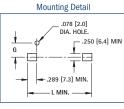
# SMT ULTRA LOW PROFILE

# APPLICATIONS

- Computer memory, power backup systems
- Telecommunications
- Residential, industrial and commercial security systems
- PLC and industrial controls



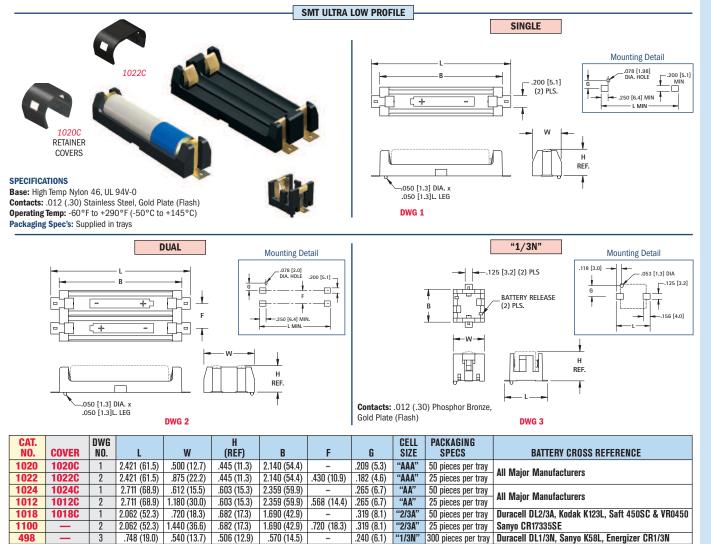




#### SPECIFICATIONS

Base: High Temp Nylon 46, UL 94V-0 Contacts: .012 (.30) Stainless Steel, Gold Plate (Flash)

CAT. NO.	COVER	L	w	H (REF)	В	G	CELL Size	PACKAGING SPECS	BATTERY CROSS REFERENCE
1016	i 1024C	1.723 (43.8)	.612 (15.5)	.603 (15.3)	1.360 (34.5)	.265 (6.7)	"1/2 <b>AA</b> "	50 pieces per tray	Energizer 544, Duracell PX28L, Kodak K28A & KS28, Panasonic CR14250, Saft LCP3, Maxell
1024	1024C	2.711 (68.9)	.612 (15.5)	.603 (15.3)	2.359 (59.9)	.265 (6.7)	"AA"	50 pieces per tray	Energizer, Duracell, Panasonic, Sanyo, Varta, Rayovac, Tadiran,
1018	1018C	2.062 (52.3)	.720 (18.3)	.682 (17.3)	1.690 (42.9)	.319 (8.1)	"2/3A"	50 pieces per tray	Duracell DL2/3A, Kodak K123L, Saft 450SC & VR0450, Sanyo CR17335SE



**IMT BATTERY HOLDERS** 



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# **SMT & THM POLARIZED LITHIUM & ALKALINE CELL HOLDERS**

SMT

TAB (4) PLS.

Mounting Detail

078 [2.0] DIA, HOLE -m

TAB (2) PLS.

F



Н

(Ref. Dim)

R

1.690 (42.9)

\_ W

H (REF.)

Mounting Detail

.047 [1.19] DIA. HOLE (2) PLS



- UL 94V-0 Heat resistant nylon housing well suited for reflow and wave soldering operations.
- Coil Spring will rebound after severe shock load
- · Polarized holder offers circuit protection against improper battery installation
- Ideal for both lead free and traditional solder processes
  - Operating temp range: -60°F to 290°F (-50°C to 145°C)

#### APPLICATIONS:

(+

.050 [1.27] DIA. x

.050[1.27] L. LEG

PACKAGING

SPECS

50 pieces per tray

25 pieces per tray

50 pieces per tray

25 pieces per tray

50 pieces per tray

CELL

SIZE

"AAA"

"AAA"

"۵۵"

"AA"

"1/2 AA"

G

.209 (5.3)

.182 (4.6)

.265 (6.7)

.265 (6.7)

.265 (6.7)

.319 (8.1)

THM

- Computer memory, power backup systems
- Telecommunications
- Residential, Industrial and commercial security systems

Mounting Detail

H (REF.)

**BATTERY CROSS REFERENCE** 

Energizer 544, Duracell PX28L, Kodak K28A & KS28,

PLC and industrial controls

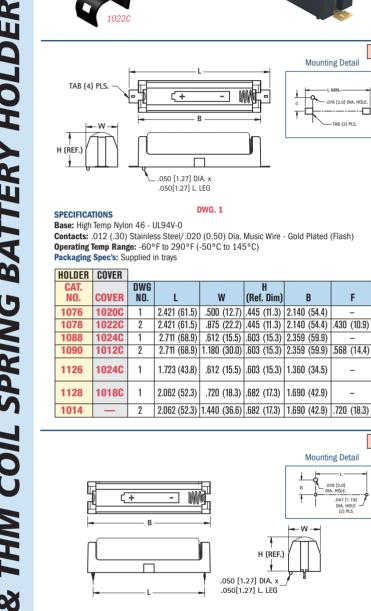
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DWG. 2

All Major Manufacturers

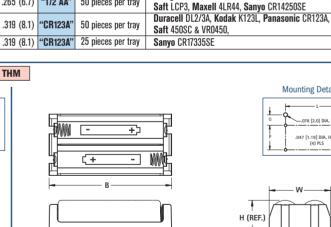
**All Major Manufacturers** 

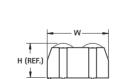


# DWG. 3

#### SPECIFICATIONS Base: High Temp Nylon 46 - UL94V-0

Contacts: .012 (.30) Stainless Steel/.020 (0.50) Dia. Music Wire - Nickel Plated Packaging Spec's: Supplied in trays





Mounting Detail

8 [2.0] DIA. HOLE

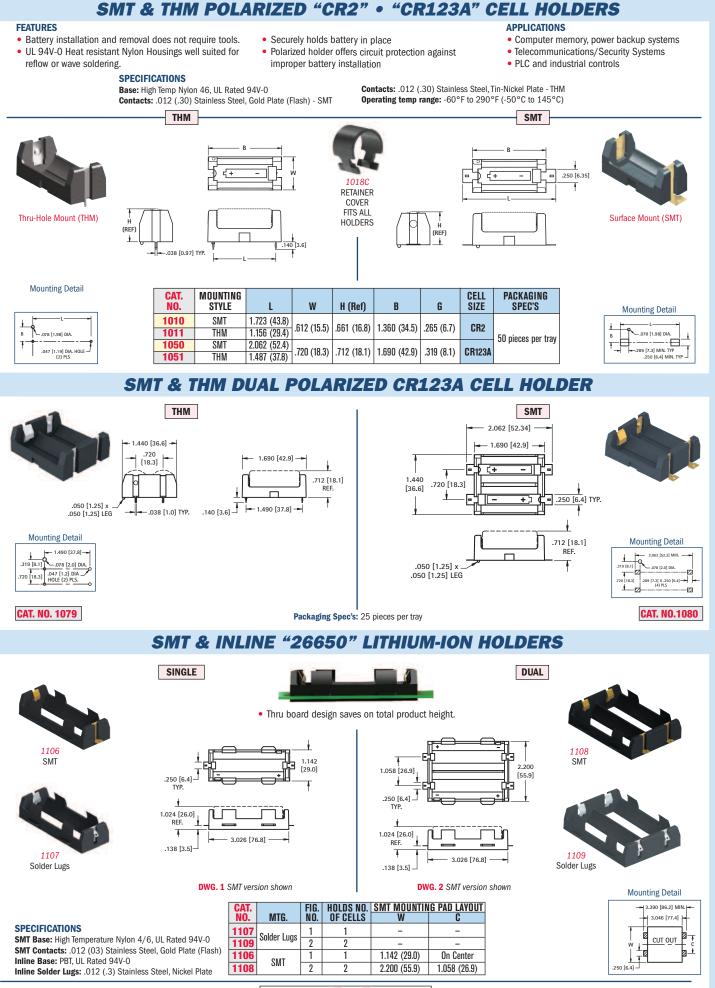
.047 [1.19] DIA. HOLE (4) PLS

.050 [1.27] DIA. x .050[1.27] L. LEG

DWG.4

HULDLI	GUVER										
CAT. NO.	COVER	DWG NO.	1	w	H (Ref. Dim)	В	F	G	CELL Size	PACKAGING SPECS	BATTERY CROSS REFERENCE
		0	1 000 (40 1)		· · ·		•	-	-		DATIENT ONOGO NEL ENERGE
1075	1020C	3	1.933 (49.1)	. ,	· · · ·	2.140 (54.4)		.209 (5.3)	"AAA"	50 pieces per tray	All Major Manufacturers
1077	<b>1022C</b>	4	1.933 (49.1)	.875 (22.2)	.445 (11.3)	2.140 (54.4)	.430 (10.9)	.182 (4.6)	"AAA"	25 pieces per tray	
1087	1024C	3	2.145 (54.5)	.612 (15.5)	.603 (15.3)	2.359 (59.9)	-	.265 (6.7)	"AA"	50 pieces per tray	All Mains Manufactures
1089	1012C	4	2.145 (54.5)	1.180 (30.0)	.603 (15.3)	2.359 (59.9)	.568 (14.4)	.265 (6.7)	"AA"	25 pieces per tray	All Major Manufacturers
1127	1024C	3	1.156 (29.4)	612 (15.5)	603 (15.3)	1.360 (34.5)	_	.265 (6.7)	"1/2 AA"	50 pieces per tray	Energizer 544, Duracell PX28L, Kodak K28A & KS28,
		Ů	11100 (2011)	.012 (10.0)				.200 (0.17)	10 <b>2</b> AA	oo piccoo por day	Saft LCP3, Maxell 4LR44, Sanyo CR14250SE
1129	1018C	3	1.487 (37.8)	.720 (18.3)	.682 (17.3)	1.690 (42.9)	-	.319 (8.1)	CR123A	50 pieces per tray	Duracell DL123A, Kodak K123LA, Panasonic CR123A,
1055	_	4	1.487 (37.8)	1.440 (36.6)	.682 (17.3)	1.690 (42.9)	.720 (18.3)	.319 (8.1)	CR123A	25 pieces per tray	Varta CR1213A, Sanyo CR123A





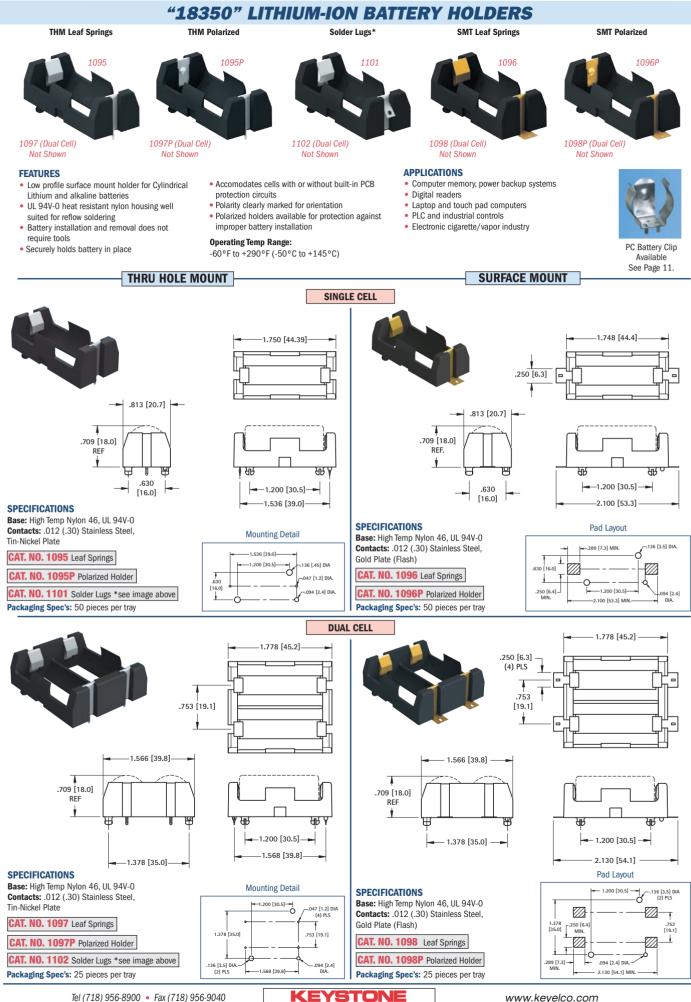
**SMT & THM LITHIUM BATTERY HOLDERS** 

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