HAMMOND MANUFACTURING

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ABS Plastic Hand Held/Instrument Enclosures *1593 Series*

PC Board Enclosures w/ Removeable End Panels & Battery Compartments









RoHS

Key Features:

- Electronic instrument enclosures, ideally suited for mounting printed circuit boards.
- Ergonomically designed for a comfortable fit into the user's hand.
- Designed to meet IP54 ratings.
- Recessed top for membrane display or pad.
- Units with battery door use our long life "three snap" door.
- Lap joint construction provides protection against dust accumulation and splashing water.
- Molded in a choice of black, grey, or transparent blue general purpose ABS plastic with a satin texture.
- Unit is secured with self tapping screws.
- Black and transparent blue enclosures include black screws, grey includes nickel finish screws.





Notes:

- Due to their low profile design, the 1593S & 1593T models will only accept AAA batteries The two AAA battery holder kit (below) is the largest holder that will fit.

Contoured Panel Option

Sizes K, L, N, D, & X comes with flat and contoured panels to match the profile of the case..



Battery Compartment Style

Sizes S, P, T, Q, & Y come with an integrated battery compartment and door.



No Panels (Size J Only)



Application Spotlight: Smart Card Reader

The 1593NBK, 1593NGY are designed to house smart card readers (shown with modified end panel).



1593 Series Accessories

Infrared Panels

Sold in packs of 10 panels. See tables below for compatibility.



PC Board

See tables below for compatibility.



Aluminum End Panels

Supplied with plastic protective covering. See tables below for compatibility.



Belt Clip

Plastic clip with nylor screws (for insulation). Includes a drill template for mounting.

1599CLIP (black)

1599CLIPGY (gray)



Enclosure Part Numbers

Part Number Black	Part Number Gray	Part Number Trans Blue	Removable Panels	Battery Door	Length	Width	Enclosure Depth
1593VBK	1593VGY	1593VTBU	2	No	2.36	4.13	1.38
1593KBK	1593KGY	1593KTBU	2	No	2.60	2.60	1.10
1593JBK	1593JGY	1593JTBU	0	No	2.60	2.60	1.10
1593ARBK	1593ARGY	1593ARTBU	2	No	2.95	2.91	1.06
1593SBK	1593SGY	1593STBU	1	Yes	3.60	2.60	0.83
1593PBK	1593PGY	1593PTBU	1	Yes	3.60	2.60	1.10
1593LBK	1593LGY	1593LTBU	2	No	3.60	2.60	1.10
1593BBBK	1593BBGY	1593BBTBU	2	No	3.75	3.00	1.18
1593NBK	1593NGY	1593NTBU	2	No	4.30	2.90	1.00
1593WBK	1593WGY	1593WTBU	2	No	4.33	4.13	1.38
1593TBK	1593TGY	1593TTBU	1	Yes	4.40	2.60	0.83
1593QBK	1593QGY	1593QTBU	1	Yes	4.40	2.60	1.10
1593DBK	1593DGY	1593DTBU	2	No	4.50	1.40	1.00
1593YBK	1593YGY	1593YTBU	1	Yes	5.50	2.60	1.10
1593XBK	1593XGY	1593XTBU	2	No	5.50	2.60	1.10

Replacement Screws & Accessories

Enclosure Part Number	Silver Assembly	Black Assembly	PC Board Mouting Screws	IR Panels	Aluminum Panels	PC Board

Enclosure Part Number Beginning With	Silver Assembly Screws (100-pack)	Black Assembly Screws (100-pack)	PC Board Mouting Screws (50-pack)	IR Panels (10-pack)	Aluminum Panels (10-pack)	(enclosure PC Board sold separately)
1593K	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	**1593KPCB**
1593J	**1593QS100**	**1593QS100BK**	**1593ATS50**			
1593AR	**1591TS100**	**1591TS100BK**	**SC519-50**	**1593ARIR10**	**1593ARAL10**	
1593S	**1593MS100**	**1593MS100BK**	**1593ATS50**	**1593SIR10**	**1593SAL10**	
1593P	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	**1593PPCB**
1593L	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	**1593LPCB**
1593BB	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593BBIR10**	**1593BBAL10**	
1593N	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593NIR10**	**1593NAL10**	
1593T	**1593MS100**	**1593MS100BK**	**1593ATS50**	**1593SIR10**	**1593SAL10**	
1593Q	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	**1593QPCB**
1593D	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593DIR10**	**1593DAL10**	
1593Y	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	
1593X	**1593QS100**	**1593QS100BK**	**1593ATS50**	**1593PIR10**	**1593PAL10**	
1593V	**1593QS100**	**1593QS100BK**	**1593ATS50**		**1593VAL10**	
1593W	**1593QS100**		**1593ATS50**		**1593VAL10**	

1591TS100 and 1591TS100BK are #4 x ½” (12.7mm) flat head self-tapping screw. 1593MS100 and 1593MS100BK are self-tapping, oval head type, #4 x 0.625” (15.9 mm). 1593QS100 and 1593QS100BK are self-tapping, oval head type, #4 x 0.75” (19.1 mm). SC519-50 is M2.6 x 0.6mm pan head. 1593ATS50 is #4 x 1/4" pan head and also available in packs of 100 (1593ATS100).

Data subject to change without notice

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