

NKK SMARTSWITCH™ Kits



NKK's SmartSwitch™ programmable LCD and OLED switches offer designers new, expansive options. NKK's SmartSwitch™ technology is suited for a wide variety of applications, displaying industry specific text and graphics with real-time sequencing. Complex switching can be attained when the switches are used in ganged or grouped fashion to facilitate sequential functions. The SmartSwitch™ simplifies and improves complex, multi-decision operations. NKK Switches' SmartSwitch™ can be programmed to display an infinite variety of text, graphics or moving images.

- Features:**
- Programmable to display graphics, alphanumeric characters and animated sequences
 - Integrated liquid crystal display provides wide viewing angle with high contrast and clarity
 - All switches are SPST, momentary ON, gold contacts, and straight PC terminals

NKK SMARTSWITCH™ DEVELOPMENT KITS

This enables engineers to easily test their programs on actual pushbuttons and displays. Engineers can then present their concepts and product ideas to colleagues and clients. Development kits include the following supplied hardware: logic board, controller, power supply and cable.

- Features**
- SmartSwitch™ development kits are a cost effective tool for rapidly prototyping new design ideas
 - Engineers can present their concepts and product ideas to colleagues and clients

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	5
* 633-IS-DEVKIT-5	IS-DEV KIT-5	A	(2) IS15ABFP4RGB PB with supplied hardware	217.85	210.00
633-IS-DEVKIT-5C	IS-DEV KIT-5C	A	(2) IS15SBFP4RGB compact PB with supplied hardware	217.85	212.72
633-IS-DEVKIT-5D	IS-DEV KIT-5D	A	(2) IS01BFRGB displays with supplied hardware	217.85	212.72
** 633-IS-DEVKIT-6	IS-DEV KIT-6	B	(2) IS15DBFP4RGB PB with supplied hardware	245.78	240.00
633-IS-DEVKIT-6D	IS-DEV KIT-6D	B	(2) IS01DBFRGB displays with supplied hardware	245.78	240.00
633-IS-DEVKIT-7	IS-DEV KIT-7	C	(2) ISC15ANP4 OLED PB with supplied hardware	318.95	315.20
633-IS-DEVKIT-7D	IS-DEV KIT-7D	C	(2) ISC01P OLED displays with supplied hardware	301.64	294.54

** Kit 5 is for the LCD 36x24 ** Kit 6 is for the LCD 64x32

NKK SMARTSWITCH™ DEMONSTRATION KITS

The NKK SmartSwitch™ demonstration kits are used to display bitmaps, up to 64 bitmaps, that have been created via the user's PC. These kits are supplied with a red/green LCD module, software, USB cable and programming instructions. Once downloaded, the bitmaps can be displayed and advanced by means of the address control lines without the need of a PC. These kits can be incorporated into your end product as the PCB has been designed with allowance for standoffs. Both units can be made portable by using the battery box which is sold separately.

- Features**
- Can be programmed on line or through stand-alone software provided on CD
 - LCD can be interchanged to meet user's specific color application once designed

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MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	10
633-IS-DEMKIT-1	IS-DEM KIT-1	D	(1) IS15AACP4CF PB with supplied hardware	131.64	114.54
633-IS-DEMKIT-2	IS-DEM KIT-2	D	(1) IS01BCCF display with supplied hardware	147.00	138.16
633-AT9946	AT9946	-	Battery Box	57.12	54.08

NKK SMARTSWITCH™, SWITCHES, DISPLAYS AND SOCKETS



RoHS Compliant

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MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	25
633-IS15ABFP4RGB	IS15ABFP4RGB	E	LCD 36 x 24 PB with RGB LED	55.01	49.13
633-IS15ABCP4CF	IS15ABCP4CF	E	LCD 36 x 24 PB with red/green super bright LED	42.84	39.09
633-ISC15ANP4	ISC15ANP4	F	OLED PB 64RGB x 48	77.29	63.01
633-IS15DBFP4RGB	IS15DBFP4RGB	G	LCD 64 x 32 hi-res PB with RGB LED	66.30	52.05
633-ISC01P	ISC01P	H	OLED display 52RGB x 36	63.94	60.75
633-IS15SBFP4CF	IS15SBFP4CF	I	LCD 36 x 24 compact PB w/ red/green super bright LED	36.36	32.79
633-IS15SBFP4RGB	IS15SBFP4RGB	I	LCD 36 x 24 compact PB with RGB LED	55.01	49.13
633-IS15DSBFP4RGB	IS15DSBFP4RGB	J	LCD 64 x 32 compact PB with RGB LED	66.30	52.00
633-IS01DBFRGB	IS01DBFRGB	I	LCD 64 x 32 display with RGB LED	60.76	54.23
633-AT9704-085K	AT9704-085K	K	Socket for 64 x 32 PB	5.58	4.96
633-AT9704-085L	AT9704-085L	K	Socket for OLED PB	6.09	5.46
633-AT9704-065E	AT9704-065E	K	Socket for 36 x 24 PB with RGB LED	4.88	4.64
633-AT9704-065F	AT9704-065F	K	Socket for 36 x 24 compact PB	6.98	4.64
633-IS01BCCF	IS01BCCF	L	LCD 36 x 24 display with red/green super bright LED	34.11	31.65
633-IS01BFRGB	IS01BFRGB	L	LCD 36 x 24 display with RGB LED	51.58	40.91

NKK SMARTSWITCH™ OLED ROCKER

- Features**
- Rocker Switch with Built - In OLED Display
 - IP64 Dust & Water Protection
 - Controller on Board/SPI
 - Largest Smartswitch Display Area
 - Up to 8 Lines with 16 Characters Each
 - 180° Viewing Angle

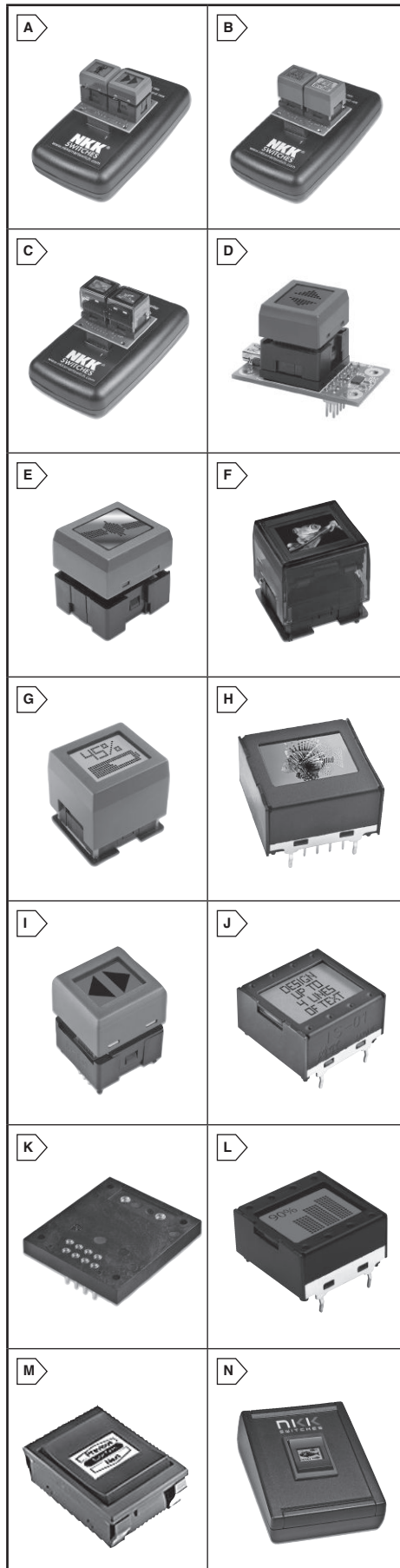
- Specifications:**
- Operating Temperature: -20°C to +70°C
 - Display Life: 52,000 hrs. at 30% illumination
 - Mechanical/Electrical Life: 1,000,000 actuations min.
 - SP3T Momentary



RoHS Compliant

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MOUSER STOCK NO.	NKK Part No.	Fig.	Description	Price Each	
				1	25
633-IS18WWC1W	IS18WWC1W	M	OLED Monochrome Rocker SP3T	80.38	75.85
633-IS18WWC1W-K	IS18WWC1W-K	M	Design Kit	86.31	83.72
633-IS-DEV-KIT-8	IS-DEV KIT-8	N	Development kit w/ 1 OLED Rocker	251.37	245.45



NKK Pushbutton Switches