

**SHARP**<sup>®</sup>

2013 PRODUCT LINEUP

# INDUSTRIAL STRENGTH LCDs



**DEMAND THE DIFFERENCE**

[www.SharpLEDLCD.com](http://www.SharpLEDLCD.com)

# INDUSTRIAL STRENGTH...

Sharp Industrial Strength LCDs are built to perform in environments ranging from factories to physician's offices. Their durable construction, high contrast, high brightness, wide viewing angles, and high operating temperatures deliver high performance for your very toughest product demands.

Our all-LED backlit line up of Industrial Applications (IA) displays are backed with Industrial Strength documentation: Incoming Inspection Specifications (IIS), Full Product Specifications, a reliability test report, CAD drawings, and a UL Material and Components Parts list.

During 40+ years in the LCD business, Sharp has worked closely with virtually every vertical industry. Our people understand your unique design challenge and can recommend the right panel to match.



**...FOR ANY OCCASION.**

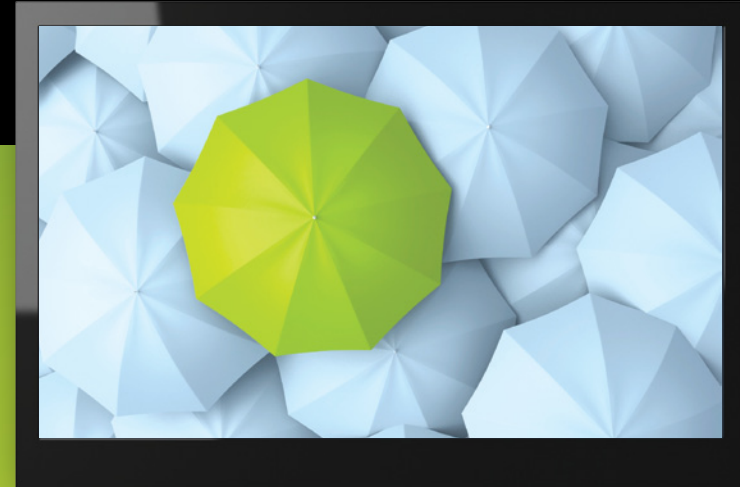
# ONE SIZE...

## NEW in 2013

Increased segmentation. More highly-specialized applications. The market is changing in real time. Our LCD offerings need to be just as flexible.

This year, Sharp introduces a number of new product lines and specialized panels that help you ride the crest of the wave. All the same product quality, engineering support, and backing you've come to expect — now with more features, variety, and pricing options.

Don't just choose any LCD. Choose the right LCD...and make it Sharp.



## Value IA

### BUDGET-SENSITIVE PROJECT?

Integrate key features of Sharp's Industrial Strength LCDs into your designs with these new, right-priced panels.

Value IA panels are available today in the following diagonal sizes: 4.0", 4.3", 5.0", 7.0", 9.0", 12.1", and 15.0". And we're just getting started.

## Specialty IA

### WE'VE GOT THE TOUCH...AND MORE

New Sharp IA LCDs are now ready for your specialty products — without the need for third-party, value-added solutions.

Check out Sharp's first PCAP (Projective Capacitive Touch) panels, new high-brightness displays ranging up to 1200+ nits, and other Specialty IA offerings.

## Automotive-Grade IA

### "ROAD READY" FOR STANDARD IA PRODUCTS

Now, Sharp takes its tough automotive LCDs off-road. These panels are ready out-of-the-box for almost *any traditional IA solution* that requires extreme viewability in high-ambient or direct light. They also hang tough with rugged shock and vibration specifications.

Medical. Industrial. Navigation. And SO much more. Ask our experts if an Automotive-Grade IA panel is perfect to go "under the hood" of your next non-automotive, Industrial Strength product.

## Performance Consumer

### A NEW LEVEL OF "WOW" IN IA

High-performance consumer LCDs originally designed for smartphones and tablet computers are now available for select Industrial Applications.

These products are ideal for large-volume IA customers with lines adapted to the quick-turn lifecycles of consumer products.

**...DOES NOT FIT ALL.**

# Small Diagonal LCDs

Panel Size (Diagonal)	Part Number	Resolution   Features
3.5-inch	LQ35Q3DG01	QVGA
3.5-inch	LQ035Q7DBxx	QVGA   Touch or No-Touch Screen
3.7-inch	LS037V7DW05	VGA   QVGA   ASV
3.7-inch	LS037V7DW06	VGA   QVGA   ASV
4.0-inch	LQ040Y3DX80	WVGA   <b>VALUE IA</b>
4.2-inch	LQ042T5DZxx	WQVGA   ASV   Chip-on-Glass   <b>AUTOMOTIVE IA</b>
4.3-inch	LQ043T3DX02	WQVGA   ASV
4.3-inch	LQ043T3DX04	WQVGA   ASV
4.3-inch	LQ043Y1DX07	WVGA   ASV
4.3-inch	LQ043T1DG29	WQVGA
4.3-inch	LQ043T1DG28	WQVGA   Touch Screen
5.0-inch	LQ050Y3DC01	WVGA   <b>VALUE IA</b>
5.0-inch	LQ050W1LA0A	WSVGA   LVDS   Touch Screen
5.0-inch	LQ050W1LC1B	WSVGA   LVDS
5.7-inch	LQ057Q3DC03	QVGA
6.4-inch	LQ064V3DG06	VGA
6.5-inch	LQ065Y5DZ01	WQVGA   ASV   Chip-on-Glass   <b>AUTOMOTIVE IA</b>

# Medium Diagonal LCDs

Panel Size (Diagonal)	Part Number	Resolution   Features
7.0-inch	LQ070Y3DG05	WVGA Value IA
7.0-inch	LQ070K1LX80	WXGA   Portrait Mode   <b>VALUE IA</b>
7.0-inch	LQ070Y3DG05TPxx	WVGA   <b>PCAP/VALUE IA</b>
7.0-inch	LQ070Y3DG3A	WVGA
7.0-inch	LQ070Y3DG3B	WVGA   Touch Screen
7.0-inch	LQ070Y3LG4A	WVGA   LVDS
7.0-inch	LQ070Y3LW01	WVGA   LVDS   ASV
8.0-inch	LQ080Y5DZ03	WVGA   ASV   Chip-on-Glass   <b>AUTOMOTIVE IA</b>
8.4-inch	LQ084S3LG03	SVGA   LVDS
8.4-inch	LQ084V1DG43	VGA
8.5-inch	LQ085Y3DW01	WVGA   ASV
9.0-inch	LQ090Y3DG01	WVGA Value IA



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# Large Diagonal LCDs

Panel Size (Diagonal)	Part Number	Resolution   Features
10.1-inch	LQ101K1LY04	WXGA   LVDS
10.4-inch	LQ104V1DG81TP01 (MP Q3)	VGA   Digital   <b>PCAP</b>
10.4-inch	LQ104S1DG2C	SVGA   Digital
10.4-inch	LQ104V1LG81	VGA   LVDS
10.4-inch	LQ104V1DG81	VGA   Digital
10.4-inch	LQ104S1LG81	SVGA   LVDS
10.4-inch	LQ104S1DG34	SVGA   Digital
12.1-inch	LQ121S1LG86	SVGA   LVDS   High Bright
12.1-inch	LQ121S1LG88	SVGA   LVDS   <b>VALUE IA</b>
12.1-inch	LQ121S1LG84	SVGA   LVDS
12.1-inch	LQ121S1DC71	SVGA   Digital   High Bright
12.1-inch	LQ121K1LG52	WXGA   LVDS
12.1-inch	LQ121X3LG02	XGA   LVDS   High Bright
12.1-inch	LQ121S1DG81	SVGA   Digital
15.0-inch	LQ150X1LG98	XGA   LVDS   <b>VALUE IA</b>
15.0-inch	LQ150X1LG91	XGA   LVDS
15.0-inch	LQ150X1LW94	XGA   LVDS   ASV   Side Mount
15.0-inch	LQ150X1LW12	XGA   LVDS   ASV   Front mount
15.0-inch	LQ150X1LG11	XGA   LVDS   High Bright
15.6-inch	LQ156M1LG21 (MP Q4)	FHD   Wide
19.0-inch	LQ190E1LX51	SXGA   LVDS   ASV   High Bright
19.0-inch	LQ190E1LW52	SXGA   ASV   LVDS
23.1-inch	LQ231U1LW31	UXGA   ASV   LVDS
23.5-inch	LQ235D1LW03 (MP Q3)	FHD   Wide



# SHARP ANSWERS.

Sharp builds the kind of high-performance, long-lasting modules that your products demand. Then backs them with integrity.

Sharp technical support includes dedicated U.S.-based experts in your region who are ready for your call. Our mission is to help you reduce development time and get to market more quickly.

Have questions? Sharp answers.



Want more product details? Visit [www.SharpLEDLCD.com](http://www.SharpLEDLCD.com).

**WHO'S BEHIND YOUR LCD?**

There **IS** a  
Difference.

Some companies just want to make a deal. And, of course, our field sales teams will roll up their sleeves to find the right fit for your programs.

We also know that when the ink is dry, it's really just the beginning.

Our global infrastructure, including glass from Sharp's own Fabs, enables long product lifecycles. Our deep engineering resources give you the boost you need to get to market quickly. Our warranties mean you can count on us every step of the way.

Plus, our fresh roadmap offers the flexible solutions you need to find the not just any LCD, but the *right* LCD.

So...why just make a deal? Let's start a relationship.



**MAKE IT SHARP.**

**SHARP**<sup>®</sup>

Who's behind **YOUR** LCD?



**MAKE IT SHARP.**

**HEADQUARTERS**

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