



Display Division
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Product Change Notification

Date: Oct 6th, 2014

Dear Valued Customer,

Thank you for choosing KYOCERA as your LCD solution provider. We appreciate the opportunity to support your business. This letter is to inform you a touch screen component change on below products.

1. Product:

T-55343GD035JU-LW-AEN, T-55265GD057J-LW-ACN, T-51750GD065J-FW-APN
T-51750GD065J-LW-AQN, T-55548GD057JU-LW-ACN

2. Detail of Change:

Due to current resistive touch screen supplier discontinued their products; we have no choice but to change the touch screen supplier. The exterior appearance of the new touch screen will be slightly different, but no change on outline dimension or characteristics. Please see next page for the detail comparison. There is no negative affect to the product characteristics. Part number and specifications will remain the same.

3. Schedule:

- Sample: Mid of Dec. 2014, per request
- Customer approval by: March End, 2015
- New part MP: June Begin, 2015

Thank you in advance for your understanding and your cooperation. If you have any questions, please contact your KYOCERA sales representative.

Sincerely yours,

KYOCERA Industrial Ceramics Inc
Display Division

- 3.5” Touch screen comparison

Section	Description		Present Version	New Version	
Product Specification	Usage		Analog Resistive Touch Panel	same	
	Basic Structure		Film/Glass(FTP)+TAPE	same	
			ITO glass t1.1	same	
			ITO PET 0.188mm Anti-glare hard coating	same	
			TAPE:7945mp(3M)	same	
	Environmental Characters	Range of operation temperature		-20°C~ 70°C	same
		Range of operation humidity		(-20°C- +40°C, < 90%RH) (+40°C- +70°C, < 60%RH)	same
		Range of storage temperature		-30°C~ 80°C	same
Range of storage humidity		(-30°C- +40°C, < 90%RH) (+40°C- +60°C, < 60%RH) (+60°C- +80°C, < 50%RH) < 64H	same		
Mechanical Characters	Loading value in Operation		10~ 100g(0.01~ 1.0N)	same	
	Keying(Touching) Resistant		> 1,000,000push	same	
	Sliding Resistant		> 100,000push	same	
	Light Transmittance		> 80%	same	
	Value of Haze		< 8%	same	
	Surface Hardness		> 3H	same	
Electrical Characters	Rated Voltage		Max. Voltage DC5.5V	5V(DC) /5V	
	Maximum Current	Electrode interval between Upper terminals	35mA	same	
		Electrode interval between Lower terminals	35mA	same	
	Resistance between the terminals	Electrode interval between Upper terminals	200 ~ 1000Ω	same	
		Electrode interval between Lower terminals	200 ~ 500Ω	same	
	Insulation Resistance	In the terminals between the adjacency	> 20MΩ	same	
		Electrode interval in input area			
Chattering		< 15msec	same		

5.7" touch screen comparison

Section	Description		Present Version	New Version	
Product Specification	Usage		Analog Resistive Touch Pane	same	
	Basic Structure		Film/Glass(FTP)+TAPE	same	
			ITO glass t1.1	same	
			ITO PET 0.188mm Clear hard coating	same	
			TAPE:7945mp(3M)	same	
	Environmental Characters	Range of operation temperature		-20°C ~ 70°C	same
		Range of operation humidity		(-20°C- +40°C, < 90%RH) (+40°C- +70°C, < 60%RH)	same
		Range of storage temperature		-30°C ~ 80°C	same
Range of storage humidity		(-30°C- +40°C, < 90%RH) (+40°C- +60°C, < 60%RH) (+60°C- +80°C, < 50%RH) < 64H	same		
Mechanical Characters	Loading value in Operation		10 ~ 100g(0.01 ~ 1.0N)	same	
	Keying(Touching) Resistant		> 1,000,000push	same	
	Sliding Resistant		> 100,000push	same	
	Light Transmittance		≥80%	same	
	Value of Haze		< 6%	same	
	Surface Hardness		> 3H	same	
Electrical Characters	Rated Voltage		Max. Voltage DC5.5V	5V(DC) /5V	
	Maximum Current	Electrode interval between Upper terminals	35mA	same	
		Electrode interval between Lower terminals	35mA	same	
	Linearity	Rated	±1.5%	same	
	Resistance between the terminals	Electrode interval between Upper terminals	350 ~ 950Ω	same	
		Electrode interval between Lower terminals	200 ~ 550Ω	same	
	Insulation Resistance	In the terminals between the adjacency	> 10MΩ	same	
		Electrode interval in input area			
Chattering		< 15msec	same		

6.5" touch screen comparison

Section	Description		Present Version	New Version
Product Specification	Usage		Analog Resistive Touch Panel	same
	Basic Structure		Film/Glass(FTP)+TAPE	same
			ITO glass t1.1	same
			ITO PET 0.188mm Clear hard coating	same
			TAPE:407(3M)	same
			Environmental Characters	
		Range of operation temperature	-20°C~70°C	same
		Range of operation humidity	(-20°C- +40°C, < 90%RH) (+40°C- +70°C, < 60%RH)	same
		Range of storage temperature	-30°C~80°C	same
		Range of storage humidity	(-30°C- +40°C, < 90%RH) (+40°C- +60°C, < 60%RH) (+60°C- +80°C, < 50%RH) < 64H	same
Mechanical Characters	Loading value in Operation		10~100g(0.01~1.0N)	same
	Keying(Touching) Resistant		> 1,000,000push	same
	Sliding Resistant		> 100,000push	same
	Light Transmittance		> 78%	same
	Value of Haze		< 8%	same
	Surface Hardness		> 3H	same
Electrical Characters	Rated Voltage		Max. Voltage DC5.5V	5V(DC) /5V
	Maximum Current	Electrode interval between Upper terminals	35mA	same
		Electrode interval between Lower terminals	35mA	same
	Linearity	Rated	±1.5%	less than 1.5% ≤1.5%
	Resistance between the terminals	Electrode interval between Upper terminals	300 ~ 1000Ω	same
		Electrode interval between Lower terminals	100 ~ 500Ω	same
	Insulation Resistance	In the terminals between the adjacency	> 10MΩ	same
		Electrode interval in input area		
Chattering		< 15msec	same	