

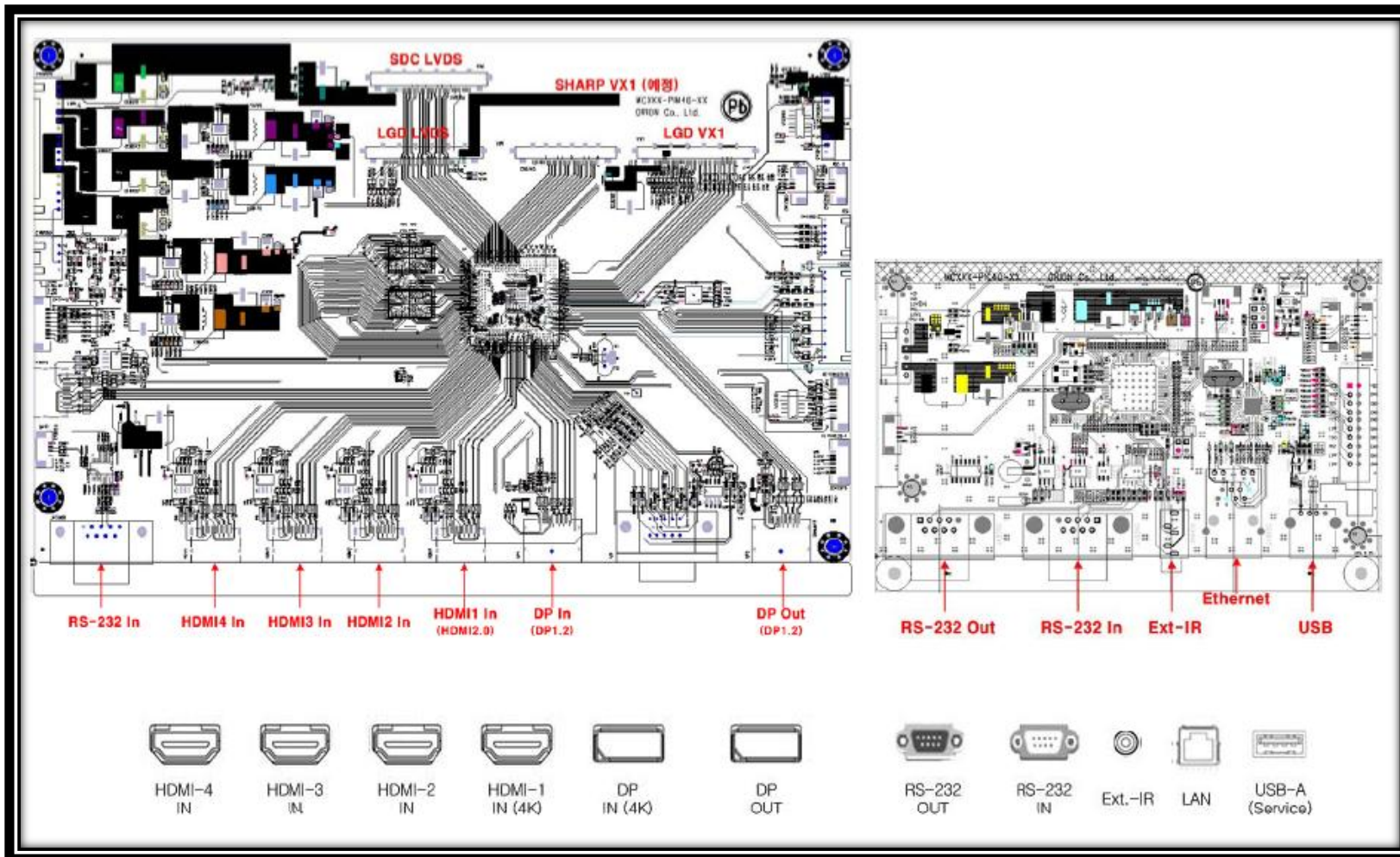
84" P-cap Touch & Real 4K display

1. Key features

- 84" Projected Capacitive Touch display
- 40points multi Touch
- Real 4K display (3840 x 2160 @60Hz) through DP1.2 & HDMI2.0
- Display control by RS232 & IR

구분		사양	결과	비고
LCD Panel	LCD Panel	<ul style="list-style-type: none"> ▪ Resolution : 3840X2160@60Hz 3840X2160@120Hz (w/ FRC) 	OK	✓ M-LCD용 Multi 기능 구현 중
Main Board	PCB	<ul style="list-style-type: none"> ▪ 4th Layer 	OK	✓ 경제 Size 적용
	Video I/O	<ul style="list-style-type: none"> ▪ Input : x1 DP(1.2), x1 HDMI(2.0), x3 HDMI(1.4) ▪ Output : x1 DP(1.2) 	OK	✓ M-LCD용 Straight Type 개발 예정
	Control	<ul style="list-style-type: none"> ▪ x1 RS-232 In ▪ Key-Pad & IR (OLS-84xx 용) 	OK	
	Panel I/F	<ul style="list-style-type: none"> ▪ x1 LVDS (1920X1080@60Hz, 10bit, 2-Channel) ▪ x1 VX1 (3840X2160@60Hz, 10bit, 8-Lane) 	OK	
Control Board	PCB	<ul style="list-style-type: none"> ▪ 4th Layer 	OK	✓ 경제 Size 적용
	Control	<ul style="list-style-type: none"> ▪ x1 RS-232 In, x1 Ethernet, x1 USB(for Service) ▪ x1 RS-232 Out ▪ Key-Pad & IR (OLS-84xx용), External IR 	OK	
PSU		<ul style="list-style-type: none"> ▪ BRK-6000 (for 75"~) ▪ BRK-3200 (for ~70") 	OK	<ul style="list-style-type: none"> ✓ ≤ STB 0.5W ✓ M-LCD

2. Board interfaces



3. Development plan

84" 4K P-cap Touch	Nov				Dec					Jan. 2016			
	1W	2W	3W	4W	1W	2W	3W	4W	5W	1W	2W	3W	4W
Sensor Mesh patterning	→												
Moire checking & Mesh modification		→											
Glass lamination									→				
4K board FRC Tuning					→								
4K board F/W programming & Tuning	→												
Mechanics modification					→								
Sample assembly & Test										→			
Reliability Test												→	
Shipment													●