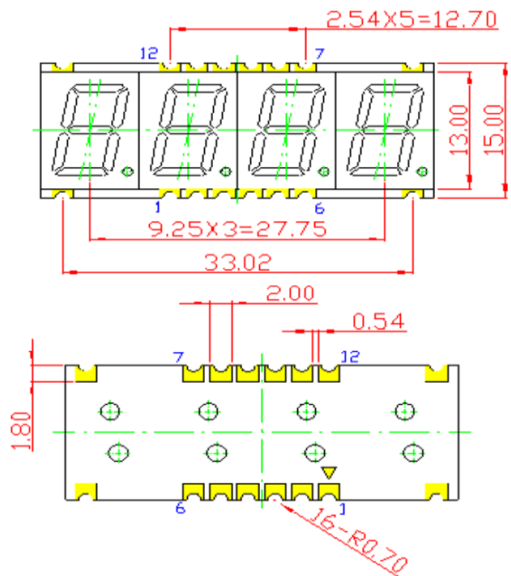


PRODUCT CHANGE NOTIFICATION

PCN No.:	10085	Date of Issue:	2021/03/17
Title of Change:	PCB Pad Change (remove 4 corner dummy pins)	PCN Effective Date:	2021/03/17
Type of Change:	Cosmetic Change (PCB Pad Change)	Last Time Buy Date:	N/A
Change Description:	Beginning immediately on and after March 17th, 2021. QT-Brightek will begin shipment of QBQS40ZXX 4-Digit 7 Segment LED display series with a an updated PCB pad (Without 4 corner dummy pins). This is a drop-in replacement and will not affect any form, fit or function. No re-design for existing applications is required. Customers may receive shipments containing both the current lead frame pad appearances in until Digikey inventory of the current lead frame pad is depleted.		
Disposition of Old Product	Remaining inventory stock from Digikey can still be ordered until depleted.		
Reason for Change:	The pcb supplier stopped producing original pcb pad (with 4 corner dummy pins). A new pcb pad (without 4 corner dummy pins) will be used. New display PCB pad also provides a better manufacturability for factory and raw material suppliers.		
Lot Number / Date Code Identification	QBQS40ZXX series ships after March 17th, 2021 (date code:210317) onwards will have the new PCB pad appearance (without 4 corner dummy pins)		
Effect of Change on Product Fit, Form, or Function	Fit: The new design is still compatible with the old PCB design through minor process modification at customer's side. The existing customers can still use the display with this new pcb style (without dummy pins) because the dummy pins are not functional or electrically connected. There is no need to put solder paste on their pcb corner dummy pads. The existing customer can still fit the new design by covering the 4 corner dummy pads on their PCB stencils.		
	Reference To Change Types: <ul style="list-style-type: none"> ■ Acquisition (Complete) ■ Acquisition (Partial) ■ Fabrication Site Change / Qualification / Country of Origin / New Subcontractor ■ Obsolescence ■ Cosmetic Change ■ Name Change ■ Nomenclature Change ■ Reversal ■ Process Change ■ Design Change / Data Sheet Spec Change ■ Packaging and Media ■ Storage and Handling ■ Logistics ■ Roadmap ■ Quality Alert Notifications ■ Multiple Types ■ Environmental Announcement ■ New Component or Raw Material Added ■ Other 		
		10/10/2010	Revision A

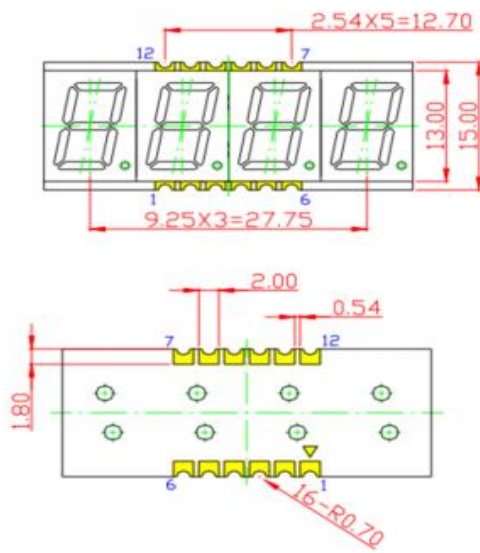
Comparison

Old Design (with 4 Corner dummy pins)

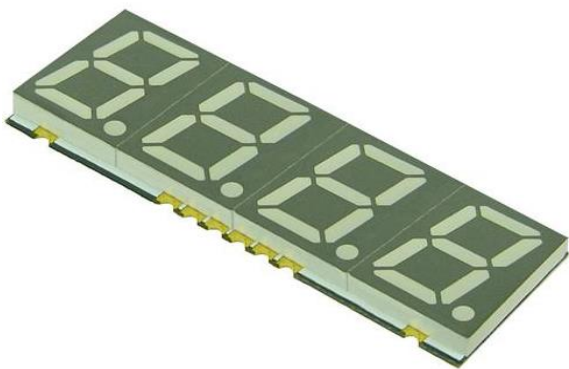


Old

New Design (without 4 Corner dummy pins)



New



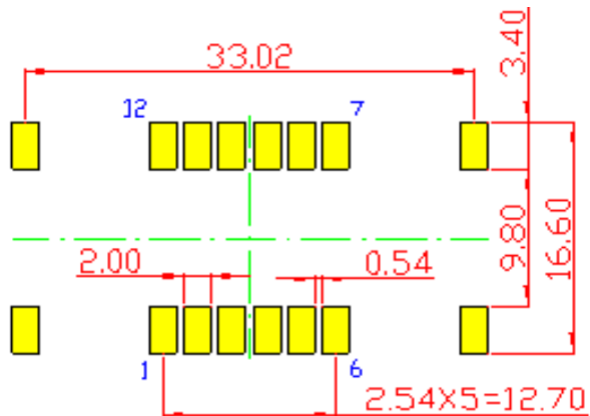
Old



New

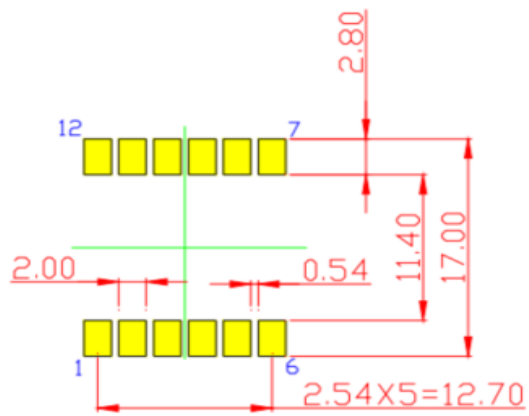
Recommended Soldering Pad

Old



Old

New



New