

TT Electronics
 Sensing and Control Division
 Variable Components Business Unit
 4200 Bonita Place
 Fullerton, CA 92838 USA



Telephone: 1 (714)447-2300
 Facsimile: 1 (714) 447-2400
 Website: www.bitechnologies.com

PRODUCT/ PROCESS CHANGE NOTICE

PCN Number	31173
Date	September 30, 2013
Product(s) Affected	BI Technologies: Variable Components Business Unit: Globe Motors : Electronic Power Steering (EPS) sensors
Date Effective	Orders accepted until April 15, 2014
Mfg. Location	Fullerton, CA USA

Type of Change	<input type="checkbox"/> End of Life <input type="checkbox"/> Material <input type="checkbox"/> Process <input checked="" type="checkbox"/> Other
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Description of Change	The thick film element printing process will be moving from Fullerton, CA to Mexicali, Mexico. Part numbers affected are included below: SX-4391, SX-4401
Reason for Change	Consolidation of remaining EPS production processes based in Fullerton, CA to BI Technologies-Variable Components BU primary manufacturing operations in Mexicali, Mexico.
Implementation Plan	Thick film element process equipment will transfer to Mexicali beginning June 15, 2014 . Full operational status will be established in Mexicali no later than August 31, 2014 .
Recommendations	Orders for EPS Sensors will be accepted until close of business (PST) April 15, 2014 , with delivery no later than June 30, 2014 . TT electronics recommends that customers place orders for ongoing requirements to ensure continued robust supply chain during the relocation process to Mexicali, Mexico. Customers who may require product validation should consider adequate lead time during planning future requirements.
Availability of Previously Manufactured Products	N/A
Sales Contact	Dave Berggren: Regional Sales Manager Kevin Thompson: Director of Sales Americas

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PRODUCT/ PROCESS CHANGE NOTICE

PCN Number	31166
Date	September 30, 2013
Product(s) Affected	BI Technologies: Variable Components Business Unit: Electronic Power Steering (EPS) sensors
Date Effective	Orders accepted until April 15, 2014
Mfg. Location	Fullerton, CA USA

Type of Change	<input type="checkbox"/> End of Life	<input type="checkbox"/> Material	<input type="checkbox"/> Process	<input checked="" type="checkbox"/> Other
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Description of Change	<p>The thick film element printing process will be moving from Fullerton, CA to Mexicali, Mexico. Part numbers affected are included below:</p> <p>SX-4289 SX-4300 ✓ SX-4388 ✓ SX-4404 ✓ SX-4413 ✓ SX-4414 ✓ SX-4429 ✓ SX-4431 ✓ SX-4432 ✓ SX-4433 ✓</p>
Reason for Change	Consolidation of remaining EPS production processes based in Fullerton, CA to BI Technologies-Variable Components BU primary manufacturing operations in Mexicali, Mexico.
Implementation Plan	<p>Thick film element process equipment will transfer to Mexicali beginning June 15, 2014.</p> <p>Full operational status will be established in Mexicali no later than August 31, 2014.</p>
Recommendations	<p>Orders for EPS Sensors will be accepted until close of business (PST) April 15, 2014, with delivery no later than June 30, 2014.</p> <p>TT electronics recommends that customers place orders for ongoing requirements to ensure continued robust supply chain during the relocation process to Mexicali, Mexico.</p> <p>Customers who may require product validation should consider adequate lead</p>

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PRODUCT/ PROCESS CHANGE NOTICE

PCN Number	31169
Date	September 30, 2013
Product(s) Affected	BI Technologies: Variable Components Business Unit: Chongqing Longrun : Electronic Power Steering (EPS) sensors
Date Effective	Orders accepted until April 15, 2014
Mfg. Location	Fullerton, CA USA

Type of Change	<input type="checkbox"/> End of Life	<input type="checkbox"/> Material	<input type="checkbox"/> Process	<input checked="" type="checkbox"/> Other
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Description of Change	The thick film element printing process will be moving from Fullerton, CA to Mexicali, Mexico. Part numbers affected are included below: SX-4300 ✓ SX-4388 ✓ SX-4450 SX-4452 SX-4453
Reason for Change	Consolidation of remaining EPS production processes based in Fullerton, CA to BI Technologies-Variable Components BU primary manufacturing operations in Mexicali, Mexico.
Implementation Plan	Thick film element process equipment will transfer to Mexicali beginning June 15, 2014 . Full operational status will be established in Mexicali no later than August 31, 2014 .
Recommendations	Orders for EPS Sensors will be accepted until close of business (PST) April 15, 2014 , with delivery no later than June 30, 2014 . TT electronics recommends that customers place orders for ongoing requirements to ensure continued robust supply chain during the relocation process to Mexicali, Mexico. Customers who may require product validation should consider adequate lead time during planning future requirements.

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PRODUCT/ PROCESS CHANGE NOTICE

PCN Number	31175
Date	September 30, 2013
Product(s) Affected	BI Technologies: Variable Components Business Unit: Chaoli : Electronic Power Steering (EPS) sensors
Date Effective	Orders accepted until April 15, 2014
Mfg. Location	Fullerton, CA USA

Type of Change	<input type="checkbox"/> End of Life	<input type="checkbox"/> Material	<input type="checkbox"/> Process	<input checked="" type="checkbox"/> Other
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Description of Change	The thick film element printing process will be moving from Fullerton, CA to Mexicali, Mexico. Part numbers affected are included below: SX-4300 ✓ SX-4388 ✓ SX-4449 ✓
Reason for Change	Consolidation of remaining EPS production processes based in Fullerton, CA to BI Technologies-Variable Components BU primary manufacturing operations in Mexicali, Mexico.
Implementation Plan	Thick film element process equipment will transfer to Mexicali beginning June 15, 2014 . Full operational status will be established in Mexicali no later than August 31, 2014 .
Recommendations	Orders for EPS Sensors will be accepted until close of business (PST) April 15, 2014 , with delivery no later than June 30, 2014 . TT electronics recommends that customers place orders for ongoing requirements to ensure continued robust supply chain during the relocation process to Mexicali, Mexico. Customers who may require product validation should consider adequate lead time during planning future requirements.
Availability of Previously Manufactured Products	N/A
Sales Contact	Dave Berggren: Regional Sales Manager