ENGINEERING CHANGE NOTICE

	<u>ORIGINATOR</u>	DATE		ECN			
Northern Tachnologies	J. DiPietro	19-FEB-	-24	0847			
Technologies	PRODUCT TO BE CHANGED		EFFECTIV	/E DATE			
CLASS	CMP 180 DEGREE FLAME RETAR FAMILY OF CONNECTOR COVER						
□ NEXT BUY	P/N REFERENCE DESCRIPTION OF CHANGE						
NEXT PRODUCTION	REASON FOR CHANGE						
WORK IN PROCESS							
FINISHED GOODS	Due to declining sales and increas conformance, certain product part	numbers are n	now discontin	ued.			
☐ RETURNS FROM FIELD	The cost of materials and labor materials and labor materials and labor materials and labor materials.			ave increased to			
☐ UNITS IN FIELD	J						
■ UNITS IN STOCKROOM	Products will be available until cur		is depleted.				
TWING OF CHANCE	No future replacement is planned.						
TYPE OF CHANGE DOCUMENTATION							
SYSPRO/SYSTEM							
<u> </u>							
REASON FOR CHANGE							
☐ DRAWING ERROR							
☐ FACILITATE MFG	DESCRIPTION OF CHANGE						
☐ MEET SPECS							
☐ PRODUCT IMPROVEMENT	Mark as DISCONTINUED as follow	ws.					
☐ VENDOR	Update Drawing # Change to: 0002-200-209RevD RevE	vo .					
DISCONTINUED	0002-200-209RevD RevD 0002-200-211RevB RevC						
	0002-200-211RevB RevC 0002-200-212RevB RevC 0002-200-213RevB RevC						
DOCUMENTS REVISED	0002-200-213RevB RevO						
■ ASSEMBLY DRAWING							
■ BILL OF MATERIALS							
X QA PROCEDURE							
X SCHEMATIC							
X FABRICATION DWG	This document contains 7 pages	5					
TEST PROCEDURES							
	ENGINEERING	M	ATERIALS	2 2 1			
ENCLOSURES	Stol Du		R	. S.A			
	PRODUCTION	PI PI	RODUCT MK	KTG			
COSTS							
<u>COSTS</u> TIME: HRS @=	QUALITY ASSURANCE	TI	EST ENGINE	<u>ERING</u>			
$MATERIALS = \underline{\hspace{1cm}}$	VICE PRECIPENT	٩	ECICN				
TOTAL=	<u>VICE PRESIDENT</u>	DI	<u>ESIGN</u>				

QFRM-0002 Page 1

Northern Technologies

Product Discontinuation Announcement

February 19, 2024

Due to declining sales and increasing challenges in maintaining product conformance, certain product part numbers are now discontinued.

The cost of materials and labor maintaining these products have increased to the point where they can no longer be sustained.

Discontinued Product Part Numbers

F88E300000, F88E301000, F88E310000, F88E311000, F88E320000, F88E321000, F88E330000, F88E331000, F88E341000, F30E300000, F30E301000, F30E310000, F30E311000, F30E320000, F30E321000, F30E331000, F30E331000, F30E341000

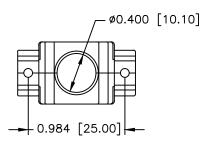
Replacement Product Part Numbers

Products will be available until current inventory is depleted.

No future replacement is planned.

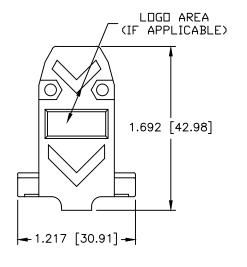
REF: ECN0847

For further information please contact: sales@northerntech.com (1-800-456-1875)



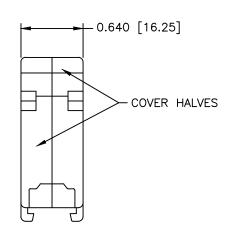
THIS PRODUCT IS DISCONTINUED

	REVISIONS									
ZONE	REV	DESCRIPTION	DATE	APPROVED						
	Α	ECN 0578	06-DCT-05							
	В	ECN 0603	10-AUG-06							
	U	ECN 0755	12-N□V-14							
	D	ECN 0757	18-N□V-14							
	E	ECN 0847	19-FEB-24							



- Ø0.210 [5.33][]

Ø0.285 [7.24][]





#4-40 X 7/16" FILLISTER HEAD MACHINE SCREW MATERIAL - STEEL

FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH



-#4-40 #2 BLANK HEX NUT MATERIAL - STEEL

FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH



 $\#4-40\ X\ 1/2"$ FILLISTER HEAD CAPTIVE SCREW MATERIAL - STEEL

FINISH — BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)
QTY: 2 EACH



#4 SADDLE WASHER MATERIAL — STEEL

FINISH — BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

NO LOGO

Nonethouse

NORTECH LOGO

PART NUMBER INFORMATION

PART#	LOGO STYLE	SUPPLIED
F30E300000	NO LOGO	BULK
F88E300000	NO LOGO	PACKAGED
F30E301000	NORTECH LOGO*	BULK
F88E301000	NORTECH LOGO*	PACKAGED

* - SPECIAL ORDER ITEM - CONTACT NORTHERN TECHNOLOGIES

CONNECTOR COVER:

1.MATERIAL: ABS COMPOUND UL94V-0

2.FINISH: NICKEL PLATING PER NTC SPECIFICATION N/T 000500

3.DIMENSIONS: INCHES [MM] 4.TOLERANCE: ±0.015 [0.381]

COMPRESSION INSERT TREE

1.MATERIAL: THERMOPLASTIC 94V-0

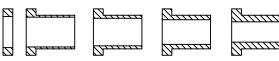
2.COLOR: BLACK

3.DUROMETER: 75 ±5 TYPE A PER ASTM D2240

4.DIMENSIONS: INCHES [MM] 5.TOLERANCE: ±0.020 [0.508]

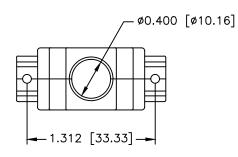
Ø0.320 [8.3	131(1)			− Ø0.315 [8.00]
_	COMPRESSI QTY. 1	ON INSERT	TREE	

Ø0.255 [6.48[] —



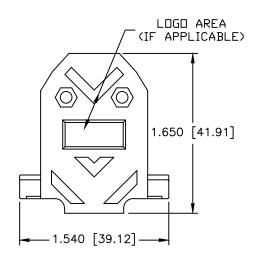
THIS IS A CONTROLLED DOCUMENT AND IS SUBJECT TO CHANGE. CONTACT NORTHERN TECHNOLOGIES ENGINEERING FOR THE LATEST REVISION.

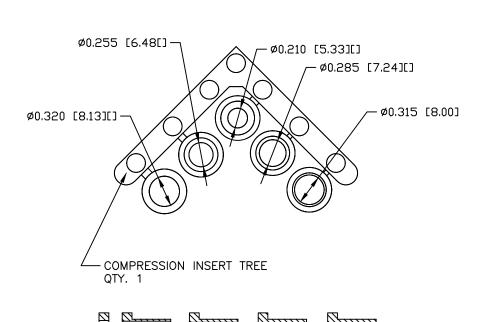
UNLESS OTHERWISE SPECIFIED 1. ALL DIMENSIONS ARE IN INCHES (MM) 2. DIMENSIONS ARE TYPICAL		1	rthern chnolog	jies	:	THIS DRAWING IS THE PROPERTY NORTHERN TECHNOLOGIES AND SHO NOT BE REPRODUCED WITHOUT NO TECHNOLOGIES WRITTEN PERMISSIO	ULD RTHERN
		PAR	PART NUMBER SEE PART NUMBER INFORMATION				
DRAWN JSD	01-JUL-05	DES	DESCRIPTION CMP 09 STR EXIT TWO PIECE METALIZED PLASTIC COVER FR				
CHECKED SCN	01-JUL-05	SIZE	CODE	0 000	DWG NO.		REV
	0, 002 00	В	20	0_209	00	02-200-209	l F
ISSUED	01-JUL-05	SCALE	E 1:1			SHEET 1 OF 1	

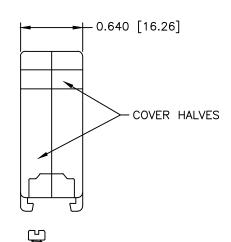


THIS PRODUCT IS

	REVISIONS										
ZONE	REV	DESCRIPTION	DATE	APPROVED							
	Α	ECN 0578	06-DCT-05								
	В	ECN 0603	10-AUG-06								
	С	ECN 0755	12-N□V-14								
	D	ECN 0847	19-FEB-24								







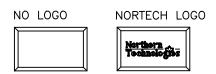
#4-40 X 7/16" FILLISTER HEAD MACHINE SCREW MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

-#4-40 #2 BLANK HEX NUT MATERIAL — STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

#4-40 X 1/2" FILLISTER HEAD CAPTIVE SCREW MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

#4 SADDLE WASHER MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

> THIS IS A CONTROLLED DOCUMENT AND IS SUBJECT TO CHANGE, CONTACT NORTHERN TECHNOLOGIES ENGINEERING FOR THE LATEST REVISION.



PART NUMBER INFORMATION

PART#	LOGO STYLE	SUPPLIED
F30E310000	NO LOGO	BULK
F88E310000	NO LOGO	PACKAGED
F30E311000	NORTECH LOGO*	BULK
F88E311000	NORTECH LOGO*	PACKAGED

* - SPECIAL ORDER ITEM - CONTACT NORTHERN TECHNOLOGIES

CONNECTOR COVER:

1.MATERIAL: ABS COMPOUND UL94V-0 2.FINISH: NICKEL PLATING PER NTC SPECIFICATION N/T 000500

3. DIMENSIONS: INCHES [MM] 4.TOLERANCE: ±0.015 [0.381]

COMPRESSION INSERT TREE

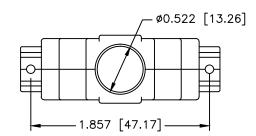
1.MATERIAL: THERMOPLASTIC 94V-0

2.COLOR: BLACK

3.DUROMETER: 75 ±5 TYPE A PER ASTM D2240

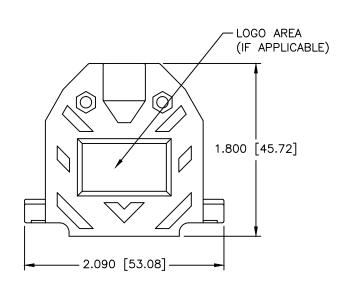
4.DIMENSIONS: INCHES [MM] 5.TOLERANCE: ±0.020 [0.508]

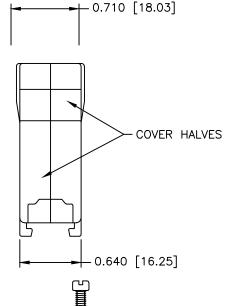
	UNLESS OTHERWISE SPECIFIED 1. ALL DIMENSIONS ARE IN		1	rthern chnolog			THIS DRAWING IS THE PROPERTY OF NORTHERN TECHNOLOGIES AND SHOULD NOT BE REPRODUCED WITHOUT NORTHER TECHNOLOGIES WRITTEN PERMISSION.		
	INCHES (MM) 2. DIMENSIONS ARE TYPICAL			T NUMBER	SEE	PART NUMBER	INFORMATIO	N	
D	RAWN JSD	01-JUL-05	DESCRIPTION CMP 15 STR EXIT TWO PIECE METALIZED PLASTIC COVER FR						
С	HECKED		SIZE	CODE		DWG NO.			REV
	SCN	01-JUL-05	В	20	0_210	000	02-200-21	0	D
IS	SSUED	01-JUL-05	SCAL	E 1:1			SHEET 1	OF 1	



THIS PRODUCT IS DISCONTINUED

	REVISIONS									
ZONE	REV	DESCRIPTION	DATE	APPROVED						
	Α	ECN 0578	06-DCT-05							
	В	ECN 0603	10-AUG-06							
	С	ECN 0847	19-FEB-24							





#4-40 X 7/16" FILLISTER HEAD MACHINE SCREW
MATERIAL - STEEL
FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)
QTY: 2 EACH

#4-40 #2 BLANK HEX NUT
MATERIAL - STEEL
FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)
QTY: 2 EACH

#4-40 X 1/2" FILLISTER HEAD CAPTIVE SCREW
MATERIAL - STEEL
FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)
QTY: 2 EACH

MATERIAL — STEEL

FINISH — BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)

QTY: 2 EACH

#4 SADDLE WASHER

NO LOGO NORTECH LOGO

Northera Toeknologies

PART NUMBER INFORMATION

PART#	LOGO STYLE	SUPPLIED
F30E320000	NO LOGO	BULK
F88E320000	NO LOGO	PACKAGED
F30E321000	NORTECH LOGO*	BULK
F88E321000	NORTECH LOGO*	PACKAGED

* - SPECIAL DRDER ITEM - CONTACT NORTHERN TECHNOLOGIES

CONNECTOR COVER:

1.MATERIAL: ABS COMPOUND UL94V-0

2.FINISH: NICKEL PLATING PER NTC SPECIFICATION N/T 000500

3. DIMENSIONS: INCHES [MM] 4. TOLERANCE: ±0.015 [0.381]

COMPRESSION INSERT TREE

1.MATERIAL: THERMOPLASTIC 94V-0

2.COLOR: BLACK

3.DUROMETER: 75 ±5 TYPE A PER ASTM D2240

4.DIMENSIONS: INCHES [MM] 5.TOLERANCE: ±0.020 [0.508]

- COMPRESSION INSERT TREE

Ø0.410 [10.41]

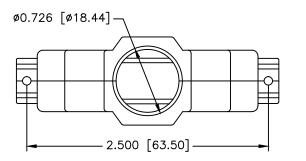
Ø0.450 [11.43]

Ø0.300 [7.62]

Ø0.230 [5.84]

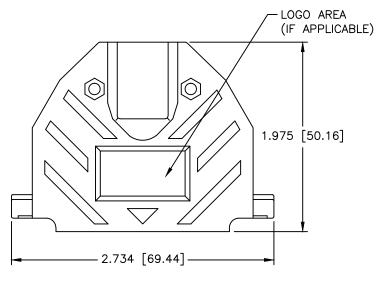
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	UNLESS OTHERWISE SPECIFIED 1. ALL DEMONSIONS ARE IN			rthern chnolog	NORTHERN TECHNOLOGIES AND SH			RN
	INCHES (MM) 2. DIMENSIONS ARE TYPICAL			T NUMBER		PART NUMBER		
	DRAWN JSD	01-JUL-05	DESCRIPTION CMP 25 STR EXIT TWO PI METALIZED PLASTIC COVER					
Γ	CHECKED		SIZE	CODE		DWG NO.		REV
L	SCN	01-JUL-05	В	20	0_211	000	02-200-211	С
	ISSUED	01-JUL-05	SCALE	Ξ 1:1			SHEET 1 OF 1	1



THIS PRODUCT IS DISCONTINUED

	REVISIONS									
ZONE	REV	DESCRIPTION	DATE	APPROVED						
	Α	ECN 0578	06-DCT-05							
	В	ECN 0603	10-AUG-06							
	С	ECN 0847	19-FEB-24							

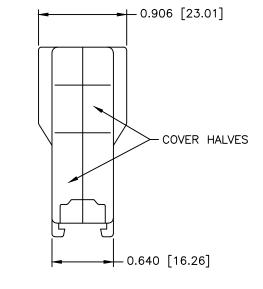


ø0.350 [ø8.89]

ø0.570 [ø14.48]

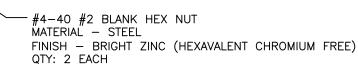
Ø0.425 [Ø10.80] →

Ø0.500 [Ø12.70]-

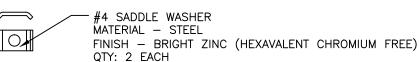


- #4-40 X 7/16" FILLISTER HEAD MACHINE SCREW MATERIAL - STEEL

FINISH — BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH



#4-40 X 1/2" FILLISTER HEAD CAPTIVE SCREW
 MATERIAL - STEEL
 FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE)
 QTY: 2 EACH



NO LOGO NORTECH LOGO

Northern
Technologies

PART NUMBER INFORMATION

PART#	LOGO STYLE	SUPPLIED
F30E330000	NO LOGO	BULK
F88E330000	NO LOGO	PACKAGED
F30E331000	NORTECH LOGO*	BULK
F88E331000	NORTECH LOGO*	PACKAGED

* - SPECIAL ORDER ITEM - CONTACT NORTHERN TECHNOLOGIES

CONNECTOR COVER:

1.MATERIAL: ABS COMPOUND UL94V-0

2.FINISH: NICKEL PLATING PER NTC SPECIFICATION N/T 000500

3.DIMENSIONS: INCHES [MM] 4.TOLERANCE: ±0.015 [0.381]

COMPRESSION INSERT TREE

1.MATERIAL: THERMOPLASTIC 94V-0

2.COLOR: BLACK

3.DUROMETER: 75 ±5 TYPE A PER ASTM D2240

4.DIMENSIONS: INCHES [MM] 5.TOLERANCE: ±0.020 [0.508]

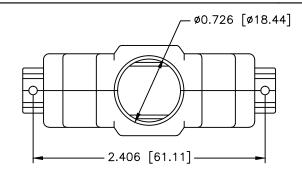
Z	7	<i></i>		
		Z	77111111	

QTY. 1

COMPRESSION INSERT TREE

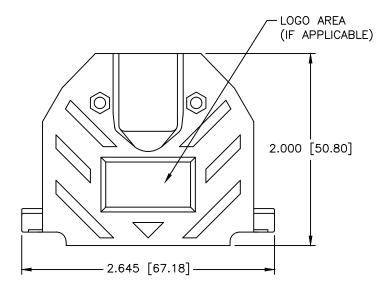
THIS IS A CONTROLLED DOCUMENT AND IS SUBJECT TO CHANGE. CONTACT NORTHERN TECHNOLOGIES ENGINEERING FOR THE LATEST REVISION.

	UNLESS OTHERWISE SPECIFIED 1. ALL DIMENSIONS ARE IN INCHES (MM) 2. DIMENSIONS ARE TYPICAL			rthern chnolog	jies	N N	HIS DRAVING IS THE PROPERTY OF ORTHERN TECHNOLOGIES AND SHOUL OIT BE REPRODUCED VITHOUT NORTH ECHNOLOGIES VRITTEN PERMISSION.	
			PART NUMBER SEE PART NUMBER INFORMATION					
S N	DRAWN JSD	01-JUL-05	DESCRIPTION CMP 37 STR EXIT TWO PIECE METALIZED PLASTIC COVER FR					
	CHECKED		SIZE	CODE		DWG NO.		REV
	SCN	01-JUL-05	В	20	0_212	000	2-200-212	С
	ISSUED	01-JUL-05	SCALE	E 1:1			SHEET 1 OF 1	

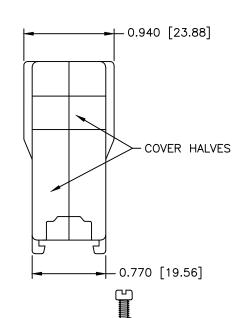


THIS PRODUCT IS

REVISIONS					
ZONE	REV	DESCRIPTION	DATE	APPROVED	
	А	ECN 0578	06-0CT-05		
	В	ECN 0603	10-AUG-06		
	C	ECN 0847	19-FEB-24		



ø0.650 [ø16.51]



#4-40 X 7/16" FILLISTER HEAD MACHINE SCREW MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

#4-40 #2 BLANK HEX NUT MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH



#4-40 X 1/2" FILLISTER HEAD CAPTIVE SCREW MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH



MATERIAL - STEEL FINISH - BRIGHT ZINC (HEXAVALENT CHROMIUM FREE) QTY: 2 EACH

NO LOGO

NORTECH LOGO



PART NUMBER INFORMATION

PART#	LOGO STYLE	SUPPLIED
F30E340000	NO LOGO	BULK
F88E340000	NO LOGO	PACKAGED
F30E341000	NORTECH LOGO*	BULK
F88E341000	NORTECH LOGO*	PACKAGED

* - SPECIAL ORDER ITEM - CONTACT NORTHERN TECHNOLOGIES

CONNECTOR COVER:

1.MATERIAL: ABS COMPOUND UL94V-0

2.FINISH: NICKEL PLATING PER NTC SPECIFICATION N/T 000500

3. DIMENSIONS: INCHES [MM] 4.TOLERANCE: ±0.015 [0.381]

COMPRESSION INSERT TREE

1.MATERIAL: THERMOPLASTIC 94V-0

2.COLOR: BLACK

3.DUROMETER: 75 ±5 TYPE A PER ASTM D2240

4. DIMENSIONS: INCHES [MM] 5.TOLERANCE: ±0.020 [0.508]

6	\Longrightarrow

THIS IS A CONTROLLED DOCUMENT AND IS SUBJECT TO CHANGE. CONTACT NORTHERN TECHNOLOGIES ENGINEERING FOR THE LATEST REVISION.

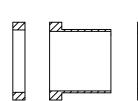
#4 SADDLE WASHER

UNLESS OTHERWISE Northern SPECIFIED Technologies 1. ALL DIMENSIONS ARE IN INCHES (MM) 2. DIMENSIONS ARE TYPICAL

THIS DRAWING IS THE PROPERTY OF NORTHERN TECHNOLOGIES AND SHOULD NOT BE REPRODUCED WITHOUT NORTHERN TECHNOLOGIES WRITTEN PERMISSION.

PART NUMBER SEE PART NUMBER INFORMATION DESCRIPTION CMP 50 STR EXIT TWO PIECE

DRAWN JSD 01-JUL-05 METALIZED PLASTIC COVER FR CHECKED SIZE CODE DWG NO. REV SCN 01-JUL-05 200_213 0002-200-213 С ISSUED 01-JUL-05 SCALE 1:1 SHEET 1 OF 1



Ø0.425 [Ø10.80] —

Ø0.500 [Ø12.70]-



QTY. 1



- COMPRESSION INSERT TREE



Ø0.570 [Ø14.48]

__ Ø0.620 [Ø15.75]



ø0.350 [ø8.89]