

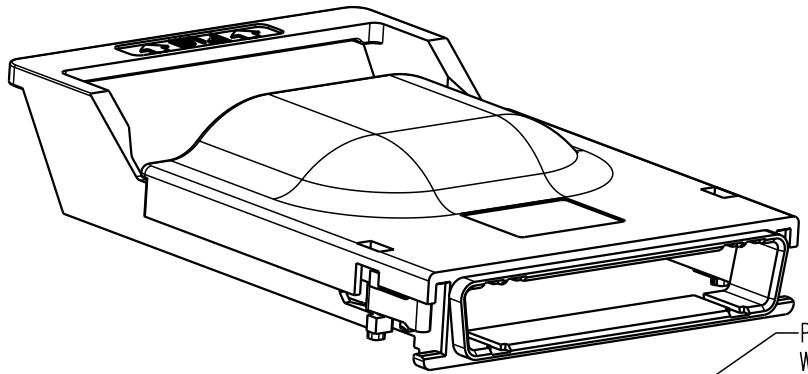
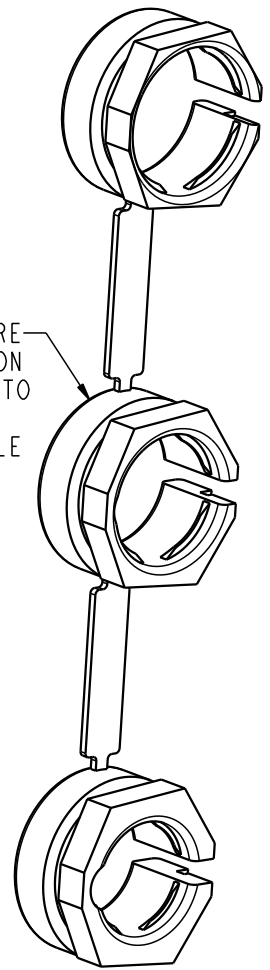
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PRODUCT NUMBER
SEE TABLE

CABLE COLLAR, 3 SIZES ARE PROVIDED, SEE APPLICATION SPECIFICATION: GS-20-026 TO SELECT THE CORRECT SIZE FOR THE DIAMETER OF CABLE



PLUG ASSEMBLY WITH OR WITHOUT PCB
SEE CHART ON SHEET 5.

M2.5 x 0.45 OVAL HEAD SCREWS



TOLERANCES UNLESS OTHERWISE SPECIFIED			
LINEAR	0.X	±.3	
	0.XX	±.10	
	0.XXX	±.050	
ANGULAR	0°	±2°	

rev	ecn no	dr	date
C	V03-0415	GIP	04/15/03
D	V03-0796	GIP	07/21/03
E	V05-0528	DAI	06/30/05
F	V04-0008	DAI	01/28/04
G	V04-0508	DAI	06/16/04
H	V05-0064	TAB	03/03/05
J	V05-0528	DAI	06/30/05

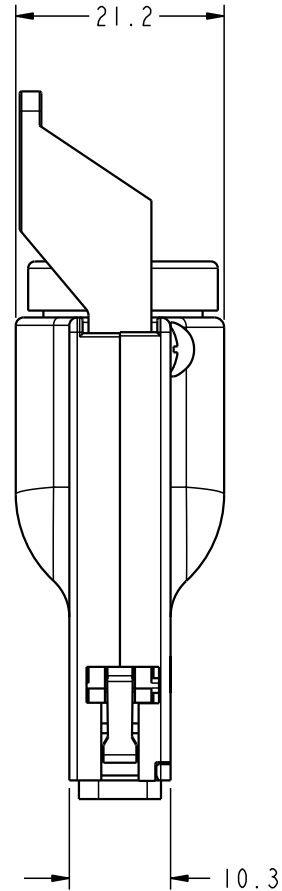
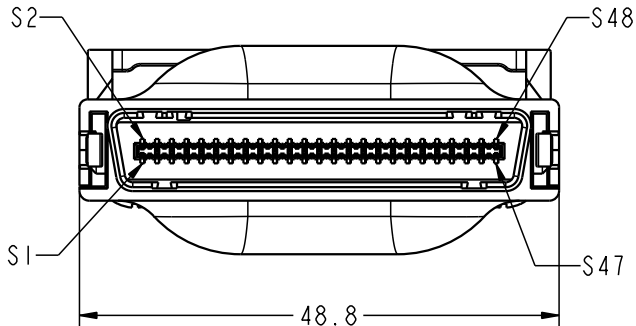
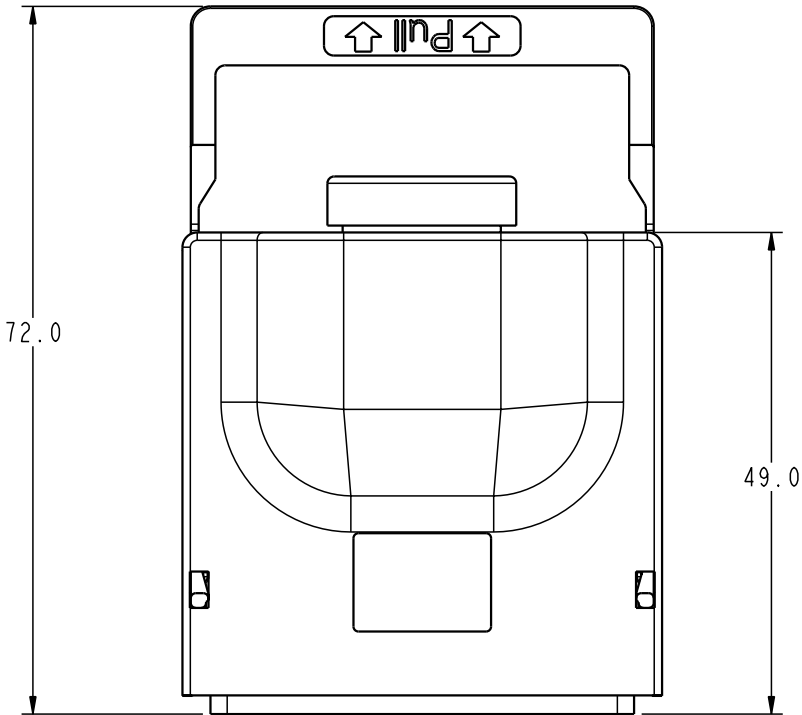
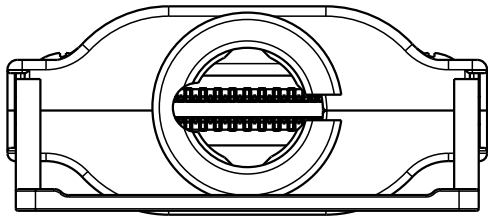
A FCI www.fciconnect.com			surface 3.2 ASME Y14.5		tolerance ASME Y14.5		projection 		MM 						
Dr	D.FUSSELMAN	3/20/02	Product family			EYEMAX(tm)			size	A4	Scale	1:2			
Eng	S.OLSON	3/20/02	Spec ref												
Chr	T.BRUNGARD	7/30/02	Material			SEE NOTES			ECN		V05-0528				
Appr	D.BRANN	7/30/02													
title						12X PLUG KIT				dwg no		58442		Rev.	
						EYEMAX(TM)								J	
catalog no						-				CUSTOMER				sheet 1 of 5	



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PRODUCT NUMBER
SEE TABLE

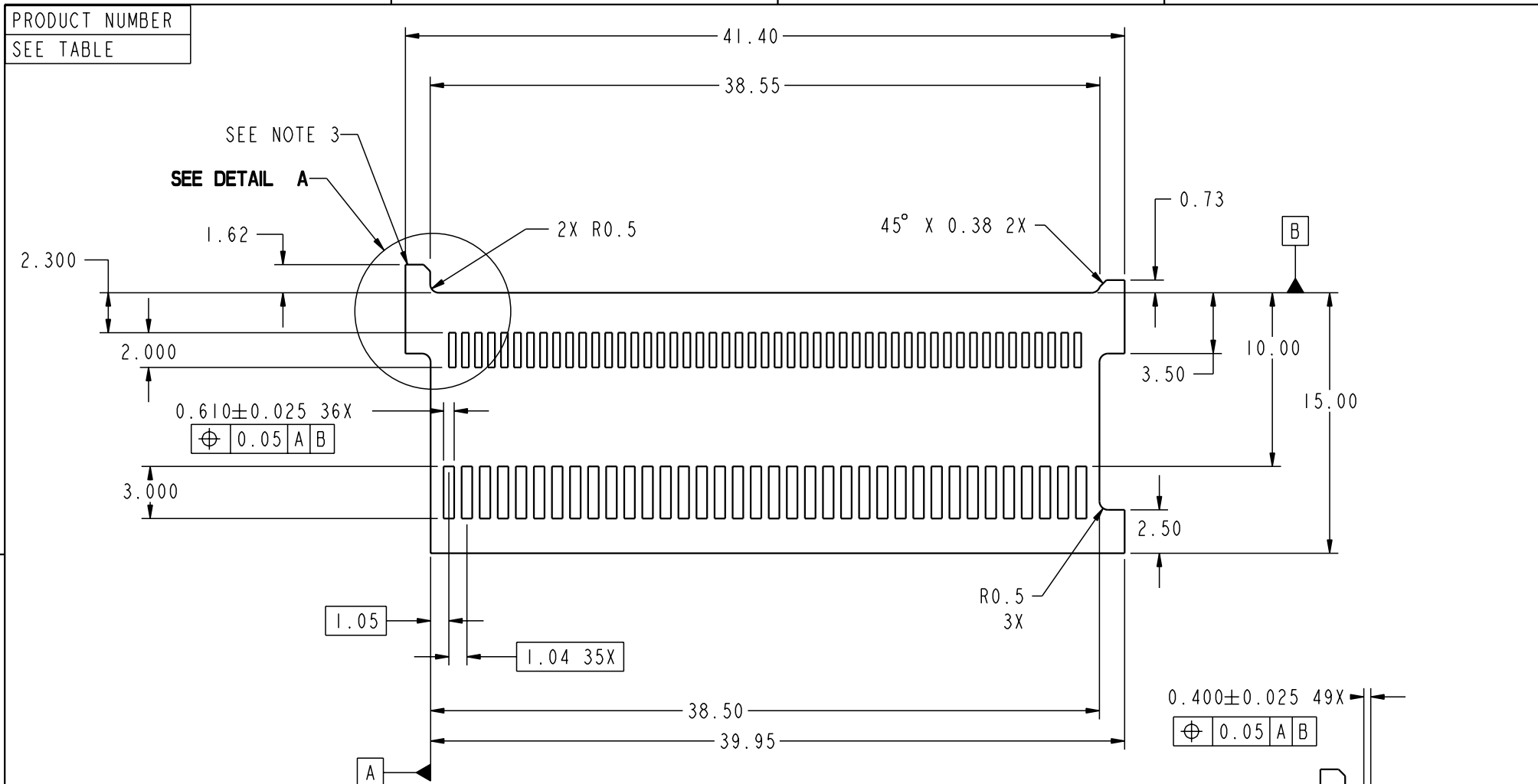


title	12X PLUG KIT		dwg no	58442	Rev. J
	EYEMAX (TM)				
catalog no	-	CUSTOMER	sheet 2 of 5		

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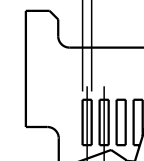
PCB NOTES:

1. PADS ON BOTH SIDES OF PCB.
2. DIMENSIONS APPLY TO BOTH SIDES OF PCB LOCATED FROM DATUM A & B.
3. THIS AREA NOT TO BE USED TO LOCATE SOLDER TAILS TO SOLDER PADS. THIS AREA IS TO AID IN ASSEMBLY BY LIMITING THE TOP & BOTTOM MOVEMENT OF THE PADDLE CARD.
4. PCB THICKNESS: 1.57mm (.062").

RECOMMENDED PCB LAYOUT,
FOR UNEQUALIZED PLUG ASSEMBLY

SCALE 3:1

DETAIL A
SCALE 3:1



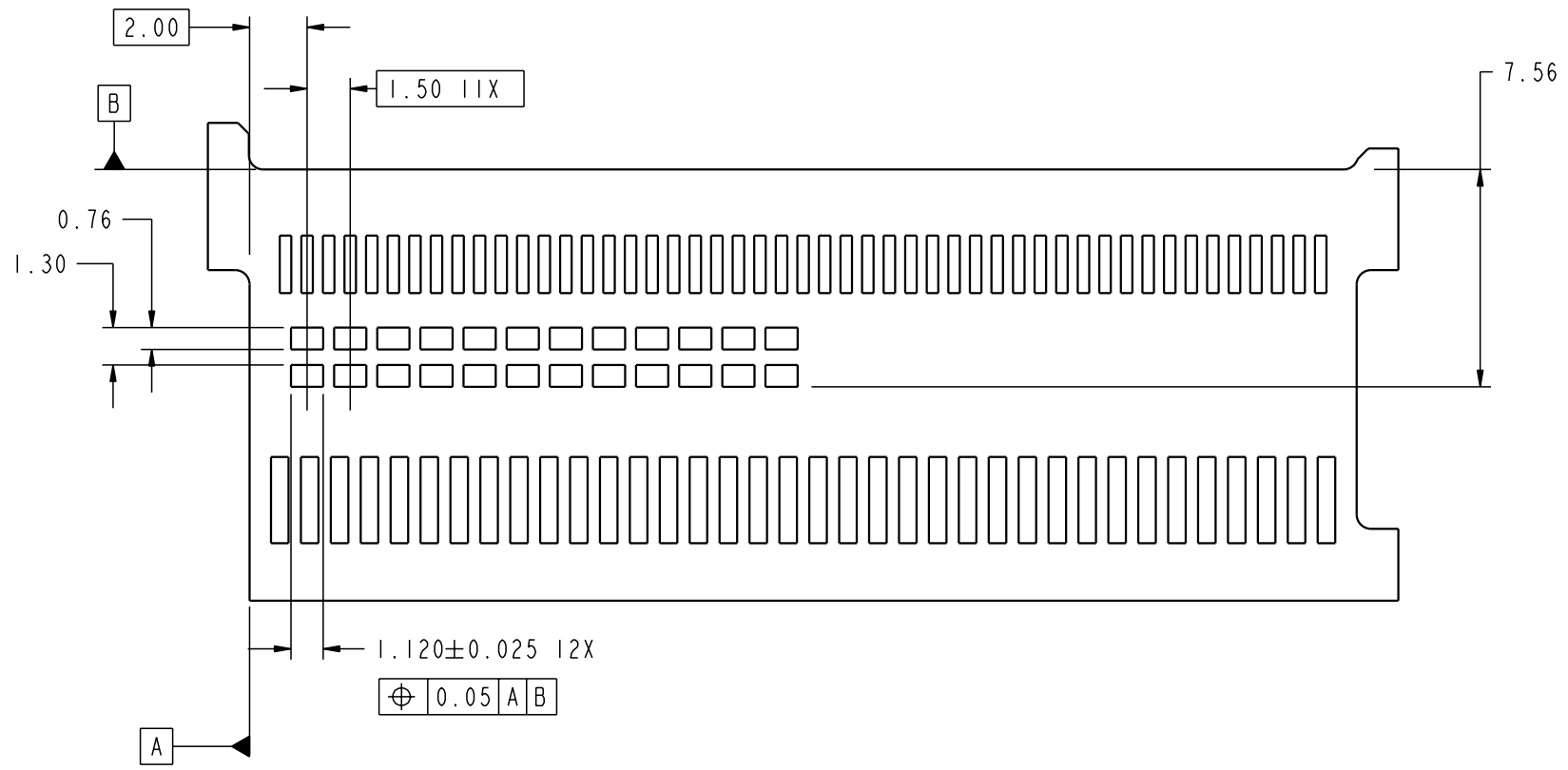
title	12X PLUG KIT		dwg no	58442		Rev	J
	EYEMAX (TM)						
catalog no		-	CUSTOMER		sheet 3 of 5		

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PRODUCT NUMBER
SEE TABLE



**RECOMMENDED PCB LAYOUT
FOR EQUALIZED PLUG ASSEMBLY***

*COMPONENT PADS ADDED TO EQUALIZED PCB,
ALL OTHER DIMENSIONS THE SAME AS
UNEQUALIZED PCB AS SHOWN ON SHT. 3.
SEE PCB NOTES ON SHEET 3

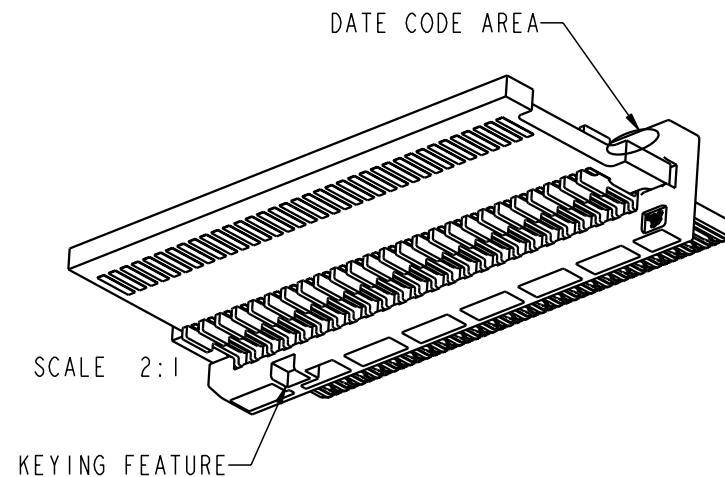
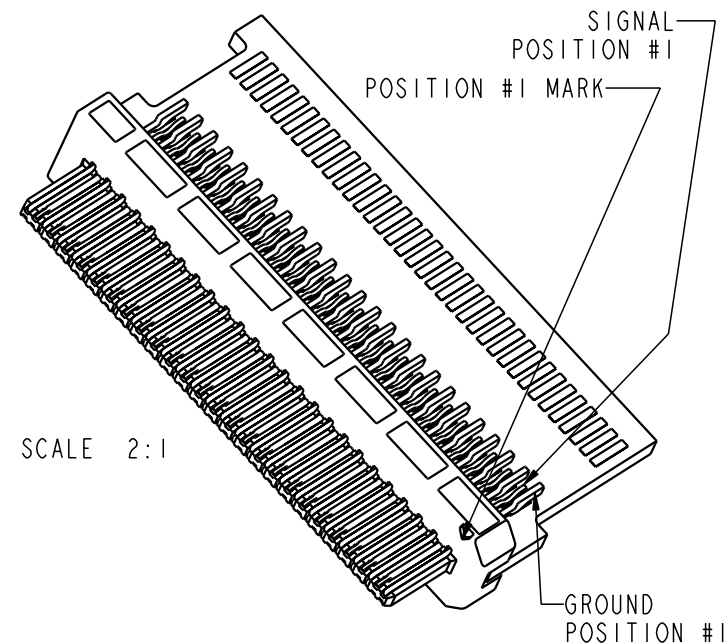
title	12X PLUG KIT		dwg no	58442		Rev.	J
	EYEMAX (TM)						
catalog no			-	CUSTOMER		sheet 4 of 5	

* PRODUCT NUMBER	DESCRIPTION
58442-001	PLUG KIT WITH UNEQUALIZED P1 PCB
58442-002	PLUG KIT WITHOUT PCB
58442-003	PLUG KIT WITH EQUALIZED P1 PCB WITHOUT COMPONENTS
58442-004	PLUG KIT FOR EQUALIZED P1 PCB WITH COMPONENTS
58442-101	PLUG KIT WITH UNEQUALIZED P2 PCB
58442-103	PLUG KIT WITH EQUALIZED P2 PCB WITHOUT COMPONENTS
58442-104	PLUG KIT FOR EQUALIZED P2 PCB WITH COMPONENTS

* ADD LF TO PART NUMBER FOR LEAD FREE SOLDER TAILS
EXAMPLE: 58442-001LF SEE NOTES 1, 4, 7 AND 8

NOTES:

- ①. PACKAGING SPECIFICATION GS-14-794
PACKAGING OF LEAD FREE PRODUCTS MEETS LABELING AND PACKAGING SPECIFICATION GS-14-920.
2. APPLICATION SPECIFICATION GS-20-026 FOR PADDLE CARD AND CABLE TERMINATION DETAILS. FOR EASE OF WIRE MANAGEMENT, A P1 ASSEMBLY IS RECOMMENDED ON ONE END OF THE CABLE AND A P2 ASSEMBLY ON THE OTHER END.
3. PRODUCT SPECIFICATION GS-12-209
- ④. MATERIAL:
CONTACTS: COPPER ALLOY WITH GOLD OVER NICKEL PLATING IN THE CONTACT AREA AND TIN/LEAD PLATING ON SOLDER TAILS UNLESS THE PART NUMBER ENDS IN LF
LEAD FREE SOLDER TAIL PLATING 2µm (80u") MIN MATTE TIN OVER 1.27µm(50u") MIN NICKEL UNDERPLATE.
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL 94V-0 RATED SUITABLE FOR REFLOW SOLDERING.
SHELLS: ZINC WITH NICKEL PLATING AND COPPER UNDERPLATING
PULL TAB & CABLE COLLAR: THERMOPLASTIC
LATCH: STAINLESS STEEL
5. MATES WITH RECEPTACLE 58366 OR 58367.
6. PLUG ASSEMBLIES, COVER ASSEMBLY KITS (58477) AND CABLE COLLARS (10007641) CAN BE PURCHASED AS SEPERATE ITEMS. PLUG ASSEMBLY DRAWINGS ARE 58443-NO PCB, 58638-UNEQUALIZED, 10026694-EQUALIZED.
- ⑦. IF LEAD FREE PART NUMBER, THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.60mm MIN THICK CIRCUIT BOARD.
- ⑧. LEAD FREE PRODUCTS MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.



title	12X PLUG KIT		dwg no	58442		Rev.	J
	EYEMAX (TM)						
catalog no	-		CUSTOMER		sheet 5 of 5		