

Gamesman Technical Specification

GPB480 Skill Button



Issue 01 : 05.01.2012



Gamesman

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Disclaimer:

The information provided within this manual is intended only to make the reader aware of the product's technical data and its use thereof. As such, Gamesman Ltd shall not be held liable for any loss or damage to the assembly or component within, arising from its misuse or from the unintended use of information or particulars included within, or any omission from, this document.

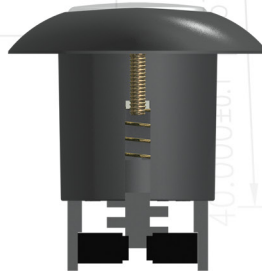
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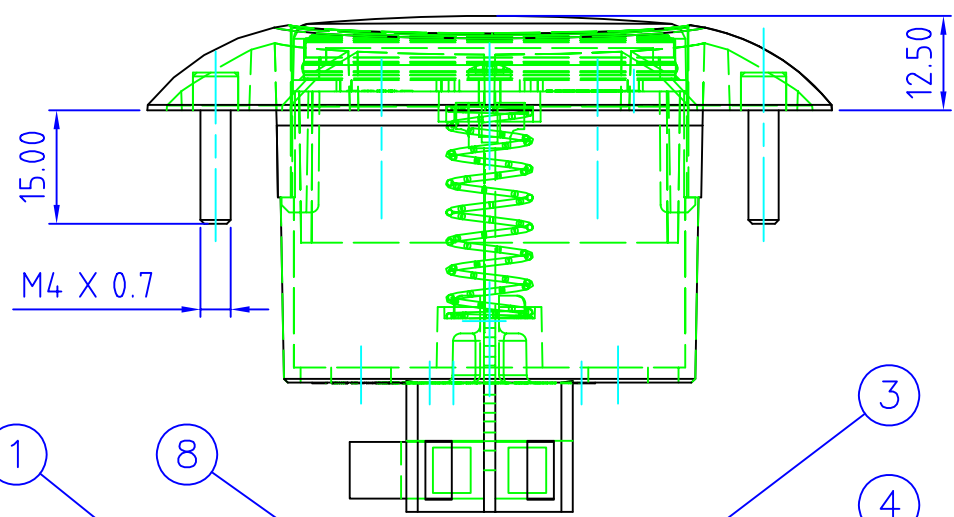
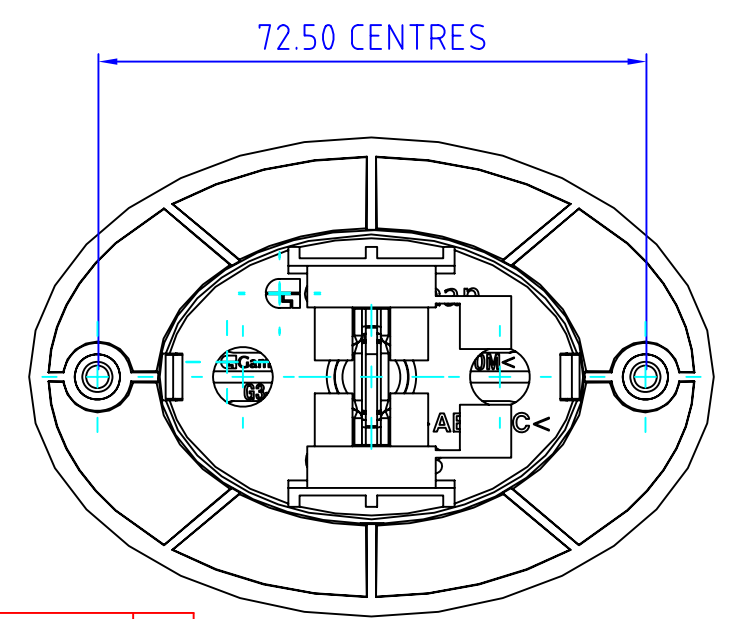
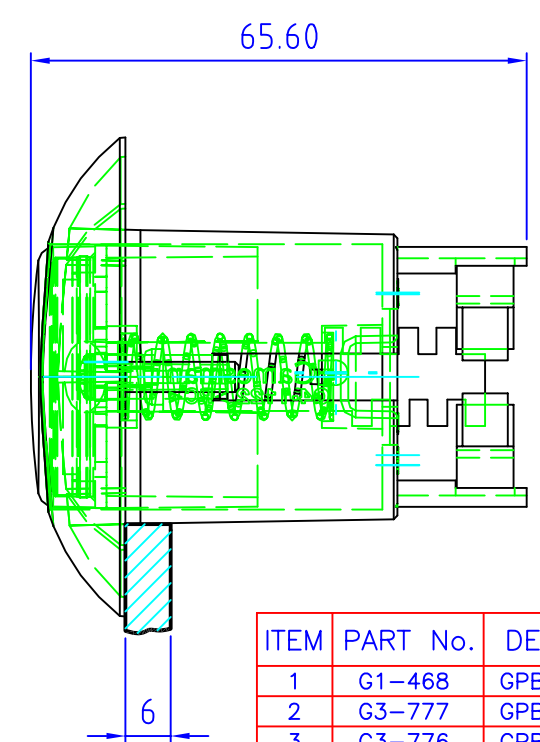
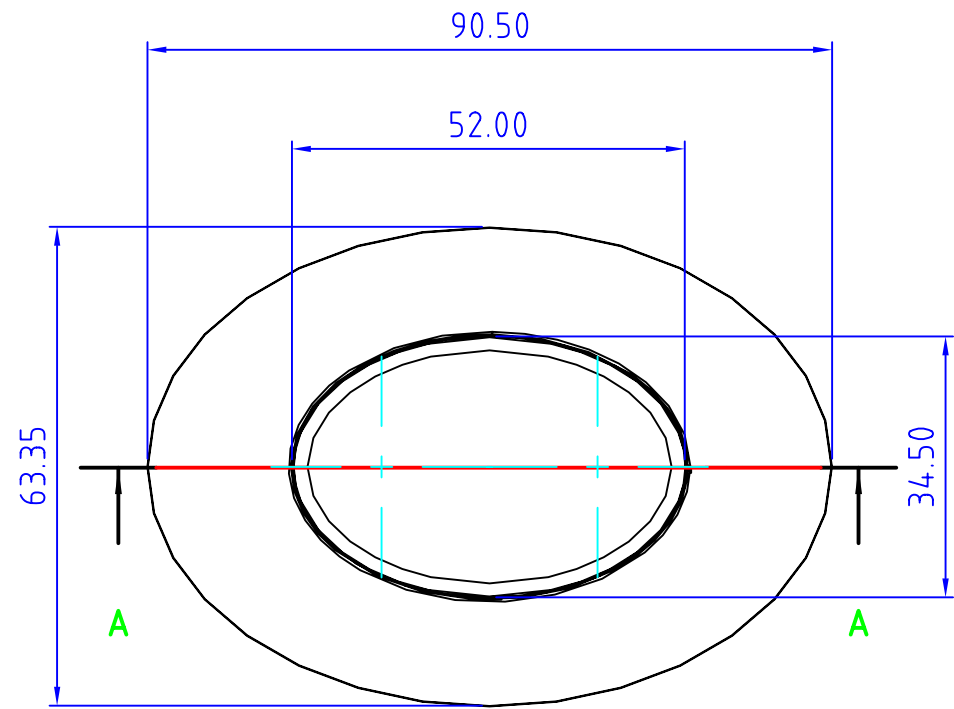
GPB 480

This unique “Skill” feature product offers players the chance to control game features by varying the pressure applied to the push-button.

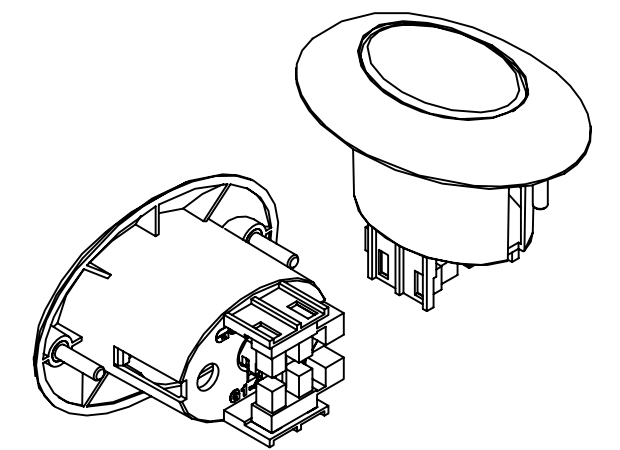
The push-button can be modified on site to change the tactile feedback.

- Proven optic technology to drive the software
- 5mm illumination option
- Over 20mm of push-button travel
- Panel or Glass Mount
- Multiple Signal Output

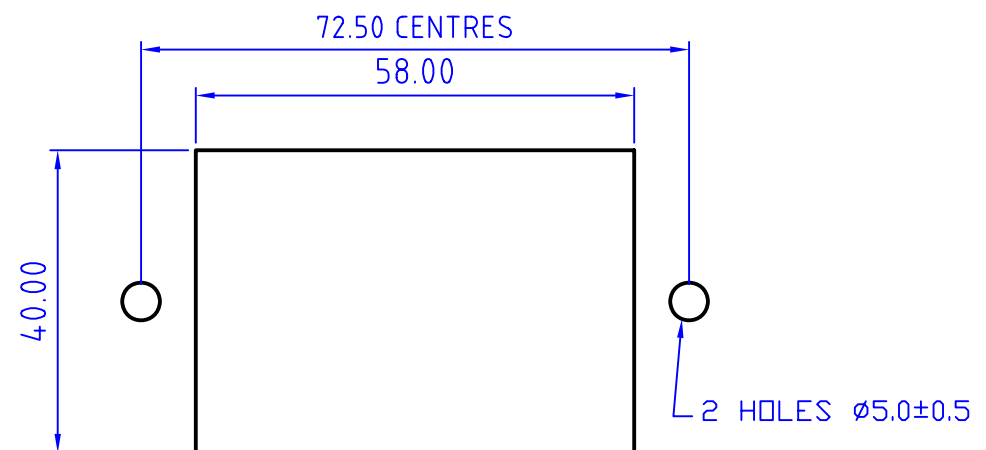




ITEM	PART No.	DESCRIPTION	QTY
1	G1-468	GPB480 BODY	1
2	G3-777	GPB480 PLUNGER	1
3	G3-776	GPB920 / 380 / 480 LENS	1
4	G4-1121	GPB480 LEGEND	1
5	G4-1122	GPB480 OPTIC TAB	1
6	G4-1156	GPB480 SPRING (1)	1
7	A161	OPTIC EE-SX3239-P2 LOW	2
8	A155	No.4 X 5/16 POZI PAN HEAD	1
9	G4-472	OPTIC LOOM (NOT SHOWN)	2

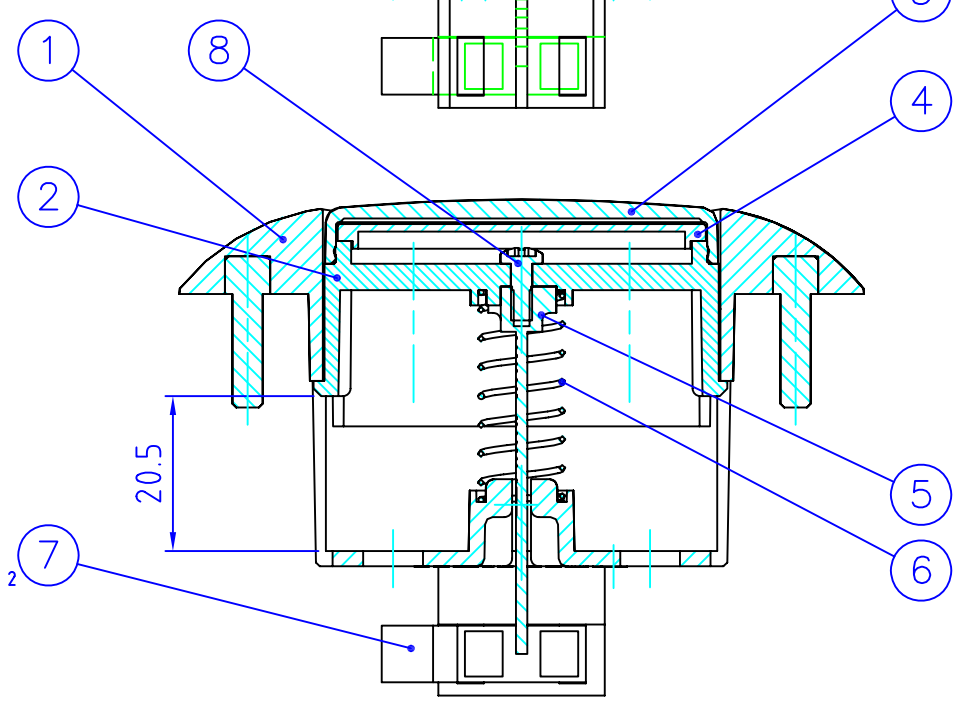


ISOMETRIC VIEWS. SCALE 1:2



PANEL CUT-OUT DETAIL

ECN-0915	20.10.09	CD	5
ECN-0885	13.08.09	CD	4
ECN-0867	24.06.09	PW	3
ECN-0531	12/10/07	PW	2



SECTION A-A

<p>Crompton Fields, Crompton Way, Crawley, W.Sussex RH10 9QB. Tel:01293 418888 Fax:01293 418880</p>		DRAWN 25.10.05	1
		MODIFICATION:	ISSUE:
THIRD ANGLE PROJECTION	UNLESS OTHERWISE STATED :-		DRAWN:P.W.
	DIMENSIONS IN mm & TO APPLY AFTER PLATING	TOLERANCES :- 2 DEC PLACES ± 0.40mm CONCENTRICITY 0.08mm MAX 3 DEC PLACES ± 0.13mm MOULDING DRAFT 1° PER SIDE	SCALE: 1:1
FINISH:	MATERIAL:	TITLE:	DRAWING NO:
		GPB480 ASSEMBLY	G3-778

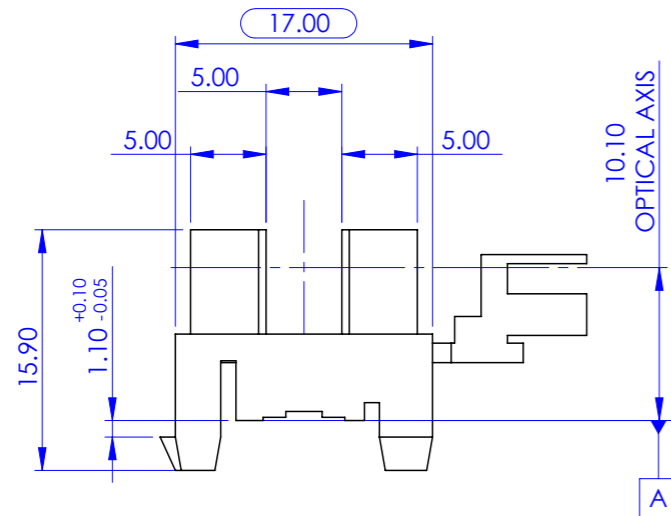
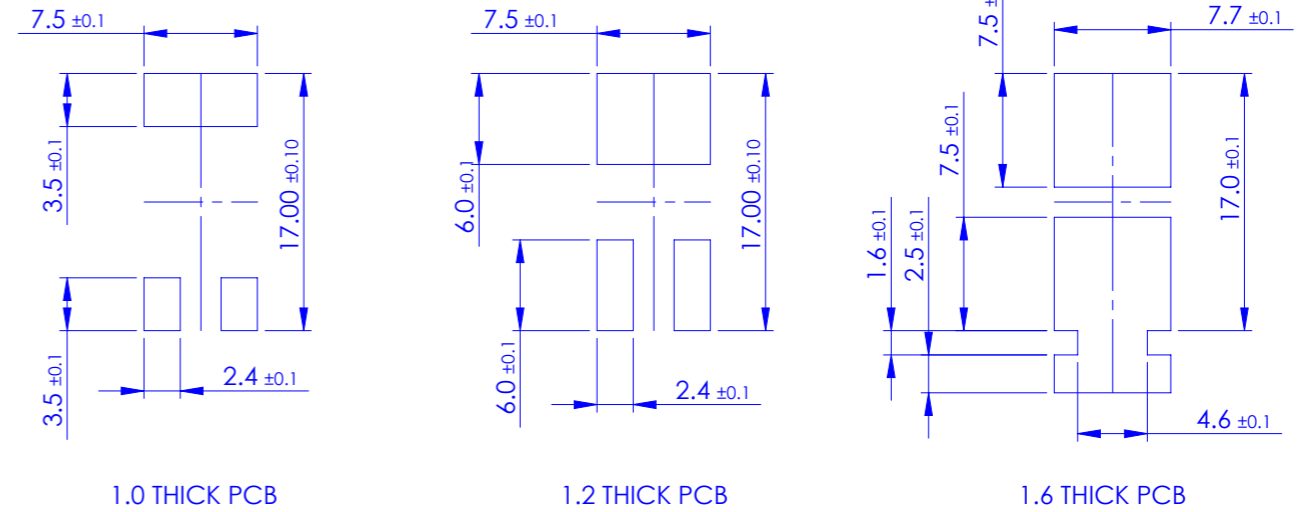
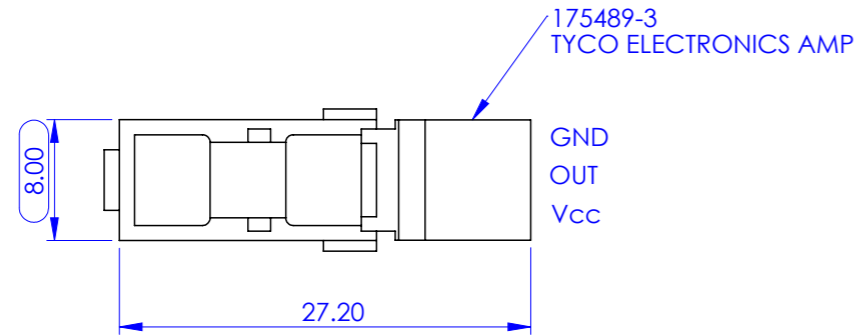
DRAWING No.
A161

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DESIGN COPYRIGHT RESERVED.
DO NOT SCALE.
THIRD ANGLE PROJECTION.
DIMS TO APPLY AFTER PLATING.



RECOMMENDED MOUNTING HOLES



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

ITEM	SYMBOL	RATED VALUE	
POWER SUPPLY VOLTAGE	Vcc	7 V	
OUTPUT VOLTAGE	Vout	28 V	
OUTPUT CURRENT	Iout	16 mA	
PERMISSIBLE OUTPUT DISSIPATION	Pout	250 mW	
AMBIENT TEMPERATURE	OPERATING	Topr	-25° to 75°C
	STORAGE	Tstg	-40° to 85°C
SOLDERING TEMPERATURE	Tsol	---	

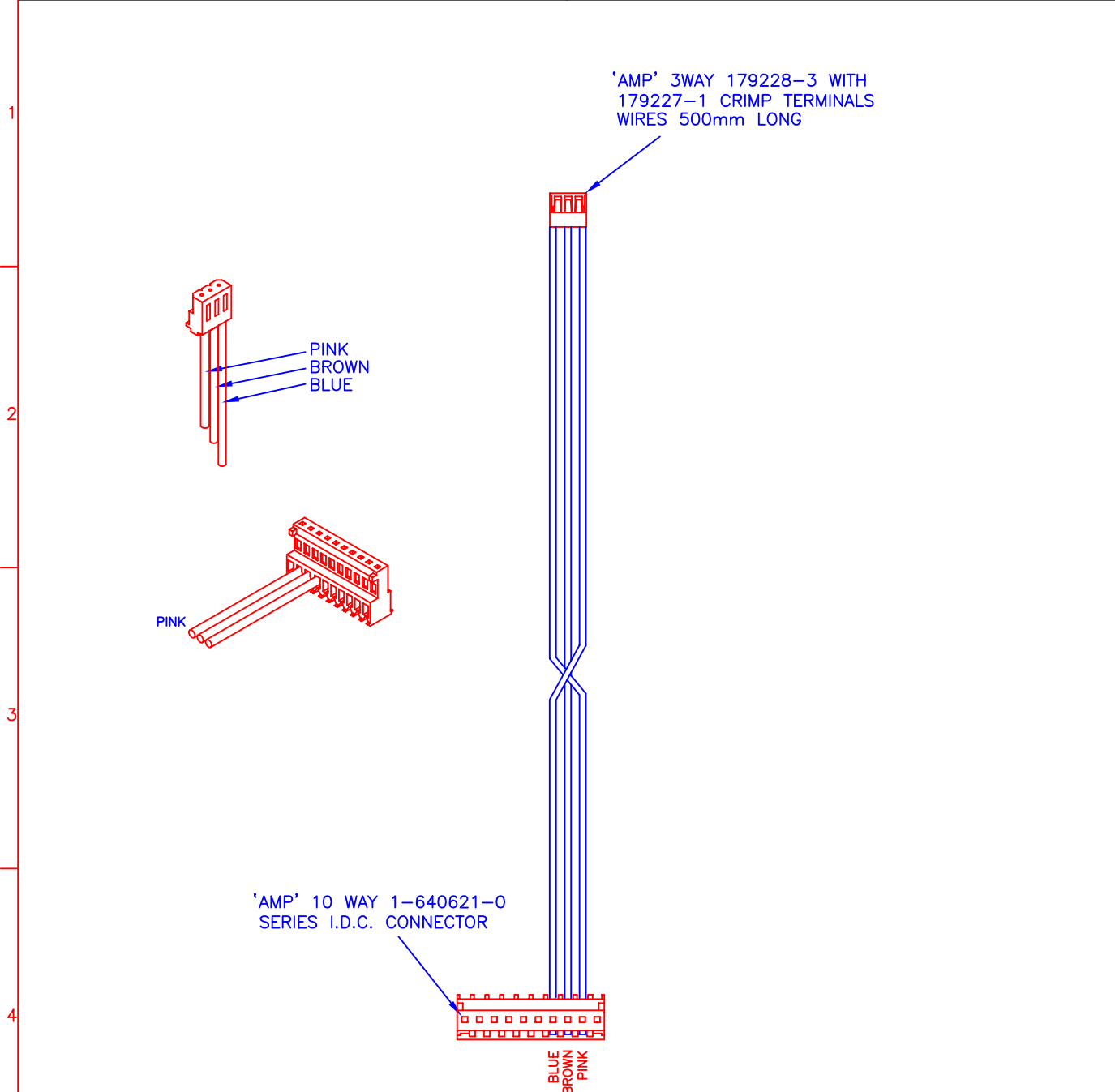
ELECTRICAL AND OPTICAL CHARACTERISTICS (Ta = 25°C, Vcc = 5v ±10%)

ITEM	SYMBOL	VALUE	CONDITION
CURRENT CONSUMPTION	Icc	16.5 mA MAX	WITH AND WITHOUT INCIDENT
LOW LEVEL OUTPUT VOLTAGE	Vol	0.35 V MAX	Iout = 16 mA WITHOUT INCIDENT
HIGH-LEVEL OUTPUT VOLTAGE	Voh	(Vcc x 0.9) VMIN	Vout = Vcc WITH INCIDENT, RI = 47KOHM
RESPONSE FREQUENCY	f	3 kHz MIN	Vout = Vcc, RI = 47 KOHM

NOTES:

- OMRON PART NUMBER - EE-SX3239-P2 (DARK ON)
- RECOMMENDED MATING CONNECTORS:
TYCO ELECTRONICS AMP
179228-3 (CRIMP)
175778-3 (CRIMP)
173977-3 (PUSH-FIT)

APPROVED	<p>Unit 6, Crompton Fields, Crompton Way Crawley, West Sussex, RH10 9QB, UK Tel: +44(0)1293 418888 Fax: +44(0)1293 418880 http://www.gamesman.co.uk</p>	THIS PART MUST BE RoHS COMPLIANT	DIMS mm	SCALE 2:1	1	15/03/2007	NEW DRG	DRAFT ISSUE	R.LOFFLER
DRAWN R.LOFFLER		FINISH SEE NOTES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0.00 DIMS ±0.13 0.0 DIMS ±0.40 ANG ±0.5°, DRAFT ±1° PER SIDE CONCENTRICITY ±0.08 MAX ○ - DENOTES INSPECTION DIMENSION	1 ISS. DATE ECN NUMBER REVISION DETAILS TITLE OPTIC SENSOR, LOW OUTPUT - OMRON	SIZE A3	SHEET 1 of 1	DRAWING No. A161		R.LOFFLER
DATE 16/07/2007		MATERIAL SEE NOTES			4	5	6		



ALL WIRE TO BE UL 1061 24AWG
(300V-80°C) CSA TYPE SR-PVC

Wires clarified 14.02.05	2
DRAWN 11/10/99	1
MODIFICATION:	ISSUE:

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<p>THIRD ANGLE PROJECTION</p>	<p>UNLESS OTHERWISE STATED :-</p> <p>DIMENSIONS IN mm & TO APPLY AFTER PLATING</p> <p>TOLERANCES :- 2 DEC PLACES ± 0.40mm CONCENTRICITY 0.08mm MAX 3 DEC PLACES ± 0.13mm MOULDING DRAFT 1° PER SIDE</p>		<p>DRAWN: R.L.</p>
	<p>FINISH: GENERAL POLISH</p>	<p>MATERIAL:</p>	<p>TITLE: 200 STEP MOTOR\OPTIC LOOM</p>
<p>DRAWING NO: G4-472</p>			



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