



DESIGN SHEET MEMBRANE PRODUCTS

Customer:	Date:	
Purchasing Contact:	Phone Number:	Email Address:
Technical Contact:	Phone Number:	Email Address:
APEM Sales Rep:	APEM Distributor (if any):	
Customer Part Number/Rev Level:	APEM Project Number:	Quotation Quantities:

APPLICATION DETAILS

APPLICATION:				
ELEMENTS TO BE SUPPLIED BY APEM:	CIRCUITRY	PRINTED GRAPHICS	RUBBER	OTHER: _____
ENVIRONMENT:	INDOOR	OUTDOOR	OTHER: _____	
MUST SURVIVE:	PROLONGED UV	LIFE: _____	CHEMICALS: _____	
TEMPERATURES:	OPERATING: _____ TO _____		STORAGE: _____ TO _____	
SEALING REQ'TS:	NONE	SPLASHPROOF	SEALED TO: _____	
THICKNESS REQ'TS:	NO RESTRICTIONS	MAX. THICKNESS EXCLUDING EMBOSSING: _____		

PROJECT DETAILS

Sketch panel details below (or attach customer drawing if available):

Drawing files can be emailed to: membrane@apem.com

PROJECT REVIEW

APEM Approvals (Internal Use Only)	Phase I		Phase II	
	Project Engineer:	Date:	Project Engineer:	Date:
	Product Manager:	Date:	Product Manager:	Date:
		Production Control Manager:	Date:	



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GRAPHICS

GRAPHIC DIMENSIONS:	WIDTH: _____	LENGTH: _____	RADIUS: _____	
NUMBER OF COLORS:	OPAQUE: _____	TRANSPARENT: _____		
BACKGROUND COLOR:	LIGHT	DARK		
SUBSTRATE:	POLYESTER	POLYCARB	OTHER: _____	
THICKNESS:	5 MIL	7 MIL	10 MIL	OTHER: _____
TEXTURING:	PRINTED MATTE or VELVET		PRINTED GLOSS or ANTIGLARE	
	SAME AS SUBSTRATE		OTHER: _____	
DISPLAY TYPE:	LCD	LED	OTHER: _____	
DISPLAY WINDOW COLOR:	CLEAR	FILTERED	DIFFUSED	CUTOUT
DISPLAY WINDOW FINISH:	GLOSS	ANTIGLARE	MATTE	VELVET
LED WINDOW COLOR:	CLEAR	FILTERED	DIFFUSED	

GRAPHIC EMBOSSING

EMBOSSING:	YES	NO		
LED EMBOSSING:	PILLOW	FLAT / NONE	OTHER: _____	
KEY EMBOSSING:	RIM	PILLOW	GRAPHIC POLYDOME	

CIRCUITRY DETAILS

CIRCUITRY TYPE:	PRINTED	ETCHED FLEX	PCB	OTHER
NUMBER OF SWITCHES:	METAL DOME _____	POLYDOME _____	NON-TACTILE _____	
ACTUATION FORCES:	TO BE DETERMINED BY APEM		SPECIFIC FORCE: _____	
FLEX TAIL LENGTH:	_____			
TAIL LOCATION:	TOP	BOTTOM	LEFT	RIGHT
	PER DRAWING	APEM TO SUGGEST BEST LOCATION		
INTERCONNECT STYLE:	FEMALE	MALE PINS	ZIF TO MATE WITH _____	
INTERCONNECT SYSTEM:	NICOMATIC	BERG	OTHER: _____	
SHIELDING REQUIREMENTS:	NONE	CUSTOMER SPEC: _____		
SHIELDING TERMINATION:	THROUGH TAIL CONNECTOR		SEPARATE GROUND STRAP	

MOUNTING DETAILS

REAR ADHESIVE:	FULL	SELECT	BACKSLIT	NONE
ADHESIVE THICKNESS:	2 MIL	5 MIL	OTHER: _____	
MATERIAL TO ADHERE TO:	_____			
APEM SUPPLIED BACKER:	NONE	METAL	PCB	PLASTIC
BACKLIGHTING:	LEDs	FIBEROPTIC	ELECTROLUMINESCENT (EL)	
PCB OR FLEX CIRCUIT:	OVERALL SIZE: _____		THICKNESS: _____	
ELECTRICAL COMPONENTS:	LEDs	OTHER: _____		
METAL BACKER:	OVERALL SIZE: _____		THICKNESS: _____	
MATERIAL:	ALUMINUM	STEEL	OTHER: _____	
MOUNTING HARDWARE:	STUDS	STANDOFFS	SPECIFY: _____	

COMMENTS